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U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS  
CORPS OF ENGINEERS

STAGES AND DISCHARGES  
OF THE  
MISSISSIPPI RIVER AND TRIBUTARIES  
AND  
OTHER WATERSHEDS  
IN THE  
NEW ORLEANS DISTRICT  
FOR 1991



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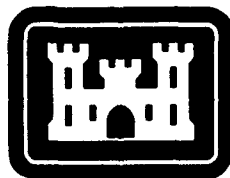
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U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS  
CORPS OF ENGINEERS

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FOR 1991



## INTRODUCTION

THIS PAMPHLET CONTAINS THE RESULTS OF STAGE AND DISCHARGE OBSERVATIONS MADE ON THE MISSISSIPPI RIVER, ITS OUTLETS AND TRIBUTARIES, AND OTHER STREAMS AND WATERWAYS IN THE US ARMY ENGINEER DISTRICT, NEW ORLEANS, DURING THE 1991 CALENDAR YEAR.

IN ADDITION TO THE RECORDS OF THIS DISTRICT, THERE ARE CONTAINED HEREIN GAGE AND DISCHARGE DATA FURNISHED BY THE US GEOLOGICAL SURVEY, AND GAGE RECORDS FURNISHED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.

GAGES OPERATED BY THE NEW ORLEANS DISTRICT ARE GENERALLY INSPECTED AT LEAST ONCE EACH YEAR. THE DATUM USED IS THAT OF THE 1929 NATIONAL GEODETIC VERTICAL DATUM BY THE NATIONAL GEODETIC SURVEY. GAGES ARE BEING ADJUSTED TO AGREE WITH BENCHMARK CHANGES ALSO FURNISHED BY THE NATIONAL GEODETIC SURVEY. REFER TO THE GENERAL INFORMATION SECTION AT EACH STATION FOR SPECIFIC ADJUSTMENTS. GAGE READINGS ARE CHECKED AGAINST INSPECTION REPORTS AND COMPARATIVE HYDROGRAPHS AND ARE CORRECTED WHERE THE NEED IS INDICATED.

STAGES ARE READINGS OF WATER SURFACE ELEVATIONS EXPRESSED IN FEET ABOVE THE ZERO OR REFERENCE POINT OF THE GAGE. THE REFERENCE POINT IS REFERRED TO EITHER NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD) OR MEAN LOW GULF DATUM. MEAN LOW GULF IS 0.78 FOOT BELOW NGVD. NATIONAL GEODETIC VERTICAL DATUM OF 1929 IS USED IN LIEU OF SEA LEVEL DATUM OF 1929 (MSL).

DISCHARGE IS THE QUANTITY OF WATER FLOWING PAST A CROSS SECTION OF THE STREAM IN A UNIT OF TIME. IT IS EXPRESSED IN DAY SECOND FEET.

DISCHARGE DATA CONSIST OF A BRIEF DESCRIPTION OF THE GAGING STATION, RESULTS OF DISCHARGE OBSERVATIONS, AND WHERE DETERMINED, COMPUTED DAILY FLOWS.

ANNUAL HIGHEST AND LOWEST STAGES ARE REPORTED FOR MOST OF THE DAILY GAGE STATIONS. IN DETERMINING THESE EXTREME RECORDS, ALL AVAILABLE GAGE DATA, INCLUDING CONTINUOUS RECORDER CHARTS, TWICE-DAILY GAGE READINGS, AND GAGE RECORDS TAKEN FROM DISCHARGE NOTES, INSPECTION REPORTS, ETC., ARE USED. THE TIME OF OCCURRENCE USUALLY IS REPORTED FOR THE ANNUAL HIGHEST STAGE BUT NOT FOR THE ANNUAL LOWEST STAGE.

THE TIME OF OBSERVATION REFERS TO CENTRAL STANDARD TIME.

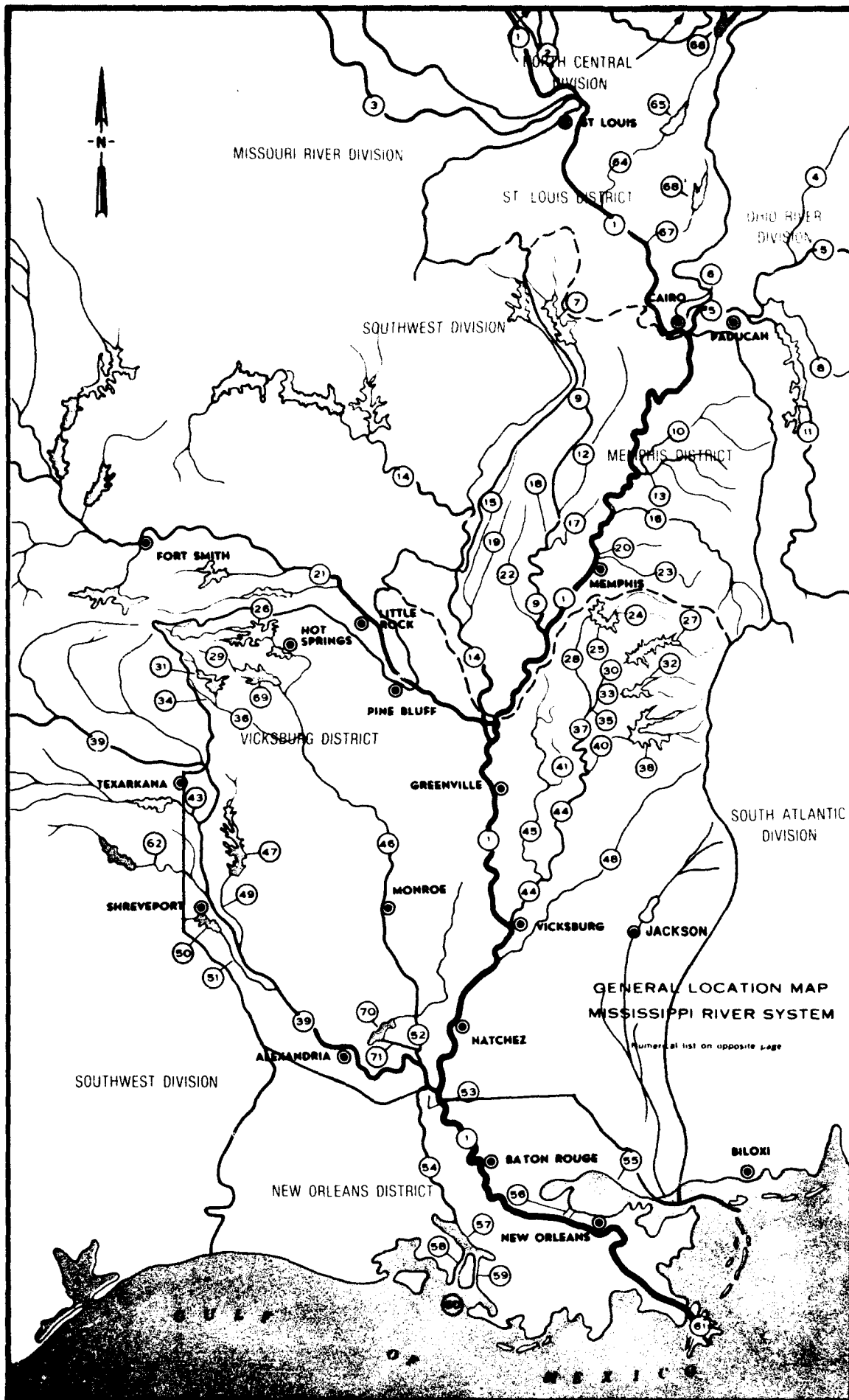
THE ENCLOSED STREAM GAGING MAP SHOWS THE GAGING SYSTEMS OPERATED BY THE DISTRICT DURING THE REPORTING PERIOD. THE MAP CONTAINS AN INDEX FOR FINDING GAGE AND DISCHARGE RECORDS WITHIN THE PAMPHLET BY THE SYSTEM ARRANGEMENT.

MICHAEL DIFFLEY  
COLONEL, CORPS OF ENGINEERS  
DISTRICT ENGINEER

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# NUMERICAL LIST FOR GENERAL LOCATION MAP

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- |  |                                |
|--|--------------------------------|
| 1. Mississippi River                   | 37. Tallahatchie River         |
| 2. Illinois River                      | 38. Grenada Reservoir          |
| 3. Missouri River                      | 39. Red River                  |
| 4. Wabash River                        | 40. Yalobusha River            |
| 5. Ohio River                          | 41. Quiver River               |
| 6. Cache River                         | 43. Sulphur River              |
| 7. Wappapello Reservoir                | 44. Yazoo River                |
| 8. Cumberland River                    | 45. Big Sunflower River        |
| 9. St. Francis River                   | 46. Ouachita River             |
| 10. Obion River                        | 47. Bayou Bodcau Reservoir     |
| 11. Tennessee River                    | 48. Big Black River            |
| 12. Little River (Floodway)            | 49. Bayou Bodcau-Loggy Bayou   |
| 13. Forked Deer River                  | 50. Wallace Lake               |
| 14. White River                        | 51. Cypress Bayou-Bayou Pierre |
| 15. Cache River                        | 52. Black River                |
| 16. Hatchie River                      | 53. Old River                  |
| 17. Tyronza River                      | 54. Atchafalaya River          |
| 18. St. Francis Bay-Steep Gut Floodway | 55. Lake Pontchartrain         |
| 19. Bayou De View                      | 56. Bonnet Carre Floodway      |
| 20. Loosahatchie River                 | 57. Grand Lake-Six Mile Lake   |
| 21. Arkansas River                     | 58. Wax Lake Outlet            |
| 22. L'Anguille River                   | 59. Lower Atchafalaya River    |
| 23. Wolf River                         | 60. Eugene Island              |
| 24. Pigeon Roost Creek                 | 61. Head of Passes             |
| 25. Arkabutla Reservoir                | 62. Twelve Mile Bayou          |
| 26. Lake Ouachita                      | 64. Kaskaskia River            |
| 27. Sardis Reservoir                   | 65. Carlyle Lake               |
| 28. Coldwater River                    | 66. Lake Shelbyville           |
| 29. Caddo River                        | 67. Big Muddy River            |
| 30. Little Tallahatchie River          | 68. Rend Lake Reservoir        |
| 31. Lake Greeson                       | 69. DeGray Lake                |
| 32. Enid Reservoir                     | 70. Catahoula Lake             |
| 33. Yocona River                       | 71. Diversion Canal            |
| 34. Muddy Fork Creek                   |                                |
| 35. Panola-Quitman Floodway            |                                |
| 36. Little Missouri River              |                                |

## HIGHEST AND LOWEST STAGES OF THE MISSISSIPPI RIVER AND ITS OUTLETS AND TRIBUTARIES

LOCATION	RIVER MILES <sup>a</sup>	DRAINAGE AREA SQ MILES	BANKFULL STAGE FT	LOW-WATER STAGE <sup>b</sup>	HIGHEST STAGE			LOWEST STAGE		
					PRIOR TO 1991		1991	PRIOR TO 1991		1991
					DATE	STAGE FT NGVD <sup>c</sup>	DATE	DATE	STAGE FT NGVD <sup>c</sup>	DATE
MISSISSIPPI RIVER										
NEAR KNOX LANDING, LA.	313.7	1,124,700	51	12.3	MAY 13, 1973*	61.20	JAN 24	JAN 28-30, 1956	8.2	OCT 26
RED RIVER LANDING, LA.	302.4	1,125,000	46	10.9	MAY 14-17, 1927	60.94	JAN 24	JUL 14, 1895	2.89	OCT 26
BATON ROUGE, LA.	285.4	1,125,400	36	5.3	MAY 15, 1927	55.46	JAN 24	NOV 16, 1895	0.96	OCT 24*
PLAQUEMINE, LA.	228.4	1,125,810	29	2.6	MAY 8, 1912	47.28	JAN 24	NOV 14, 1894	-0.07	OCT 25
COLLEGE POINT (LA.)	208.8	1,125,830	25	1.7	MAY 15, 1927	43.04		NOV 14, 1894	-0.90	
RESERVE, LA.	175.4	1,125,860	23	1.3	MAY 15, 1927	36.01	JAN 26	JAN 12, 1918	-0.39	AUG 21
BONNET CARRE (LA.)	138.7	1,125,870	17	1.1	MAY 15, 1927	32.32	JAN 24	JAN 12, 1918	-0.6	OCT 21*
NEW ORLEANS (CARROLLTON), LA.	128.0	1,125,880	15	0.7	JUN 11, 1929	28.0	JAN 24	FEB 3, 1940	-0.1	OCT 21*
CHALMETTE, LA.	102.8	1,125,890	14	0.7	JUN 11, 1929	23.79	JAN 24	JAN 24, 25, 1940	-0.62	OCT 11*
WEST POINT A LA NACHE, LA.	91.0	1,125,910	11	0.5	APR 25, 1922	21.27	JAN 24	DEC 27, 1872	-1.60	OCT 13
EMPIRE, LA.	48.7	1,125,920	8	0.1	SEP 9, 1965	17.58	JAN 24	JAN 24, 25, 1940	-0.52	OCT 13
FORT JACKSON, LA.	29.5	1,125,940	3	-0.2	AUG 17, 1969	#15.25	MAY 22	JAN 19, 1977	-1.06	AUG 7
HEAD OF PASSES (LA.)	18.6	1,125,965	2	-0.4	AUG 17, 1969	#11.03	MAY 22	MAR 7, 1895*	-2.67	
	-0.6	1,125,970	1	-0.4	AUG 17, 1969	#12.03	MAY 22	DEC 25, 1969	-0.87	NOV 25
OLD RIVER OUTFLOW										
NEAR KNOX LANDING, LA.	0.5	1,124,700	49	8.0	MAY 15, 1973	59.30	JAN 25*	JUL 16, 1964	1.32	OCT 4*
OLD RIVER										
TORRAS, LA. (LOCK FOREBAY)	-	-	-	-	MAY 15, 1927	61.6	JAN 22*	NOV 4, 1939	3.3	OCT 27
ATCHAFALAYA RIVER										
STIMESPORT, LA.	4.9	87,570	46	6.9	MAY 16, 1927	58.13	JAN 25*	OCT 17, 1976	0.70	OCT 25
KROTZ SPRINGS, LA.	41.3	93,328	37	6.1	MAY 15, 1927	38.5	JAN 26	OCT 18, 1976	0.90	OCT 25
LOWER ATCHAFALAYA RIVER										
MORGAN CITY, LA.	117.7	94,800	4	-0.8	MAY 28, 1973	~10.53	MAY 9	AUG 25, 1926	-5.44	OCT 11

<sup>a</sup> DISTANCES OF THE MISSISSIPPI RIVER ARE MEASURED FROM HEAD OF PASSES (LA.). DISTANCES FOR STATIONS IN THE ATCHAFALAYA BASIN ARE FROM HEAD OF ATCHAFALAYA RIVER VIA THE MAIN CHANNEL OF THE BASIN TO THE GULF. ALTHOUGH SOME GAGES HAVE BEEN MOVED, DISTANCES SHOWN REFER TO THEIR PRESENT LOCATIONS.

<sup>b</sup> REFERS EITHER TO AVERAGE LOW WATER PLANE, MEAN LOW WATER, OR LOW WATER REFERENCE PLANE.

<sup>c</sup> IN SOME CASES, THE RECORD STAGE MAY BE DETERMINED FROM A WATERMARK OR FROM A READING ON A LOCAL GAGE, SINCE ABANDONED.

\* AND LATER DATES (IN THE YEAR).

# AFFECTED BY HURRICANE.

^ POSSIBLY EXCEEDED DURING PERIOD OF NO RECORD.

+ AND ALSO IN LATER YEARS.

**MAXIMUM, MINIMUM, AND MEAN DISCHARGES OF THE MISSISSIPPI RIVER  
AND ITS OUTLETS AND TRIBUTARIES**

LOCATION	RIVER MILE a	DRAINAGE AREA SQ MILES	MAXIMUM DISCHARGE			MINIMUM DISCHARGE			MEAN DISCHARGE D.S.F.
			PRIOR TO 1991		1991	PRIOR TO 1991		1991	
			YEAR	DISCHARGE D.S.F. b	DISCHARGE D.S.F.	YEAR	DISCHARGE D.S.F. b	DISCHARGE D.S.F.	
MISSISSIPPI RIVER TARBERT LANDING, MISS. RED RIVER LANDING, LA.	306.3 302.0	1,124,900 1,125,000	1937 1927	1,977,000 b1,779,000	1,303,000 -	1939 1939	85,000 75,000	181,000 -	647,000 -
OLD RIVER OUTFLOW NEAR KNOX LANDING, LA.	0.5	1,124,700	1973	610,000	387,000	1962	0	18,000	142,000
LOWER OLD RIVER TORRAS, LA.	1.0	-	1937	e519,000	-	1912	f316,000	-	-
ATCHAFALAYA RIVER SIMMESPORT, LA.	8.2	87,570	1973	781,000	574,000	1964	10,500	65,000	278,000

a DISTANCES OF THE MISSISSIPPI RIVER ARE MEASURED FROM HEAD OF PASSES (LA.). TRIBUTARY DISTANCES ARE FROM MOUTH.

b DISCHARGE MAY BE EITHER COMPUTED, MEASURED, OR ESTIMATED. ALSO, DISCHARGE MAY NOT BE AVAILABLE FOR THE RECORD STAGE.

e TOWARD ATCHAFALAYA RIVER

f TOWARD MISSISSIPPI RIVER

**MONTHLY AND YEARLY MEAN STAGES OF THE MISSISSIPPI RIVER FOR 1991**

LOCATION	MONTHLY MEAN STAGES												YEARLY MEAN STAGE
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
KNOX LANDING, LA.	55.18	47.63	49.12	51.94	55.75	44.59	28.85	20.25	19.19	17.19	27.09	43.74	38.39
RED RIVER LANDING, LA.	52.97	45.40	46.89	49.61	53.49	42.45	26.88	18.53	17.60	16.56	25.23	41.49	36.38
BAYOU SARA, LA.	45.30	37.82	39.09	41.52	45.68	34.73	18.95	10.85	9.83	8.86	16.80	33.51	28.53
BATON ROUGE, LA.	36.70	29.92	30.96	33.17	37.11	27.31	13.20	6.61	6.28	6.88	11.44	26.04	22.01
DONALDSONVILLE, LA.	27.41	21.90	22.21	23.83	27.25	19.08	8.01	3.65	3.82	3.64	6.45	18.04	15.41
COLLEGE POINT, LA.	24.62	19.35	20.01	21.51	24.51	17.02	7.31	3.84	4.07	3.84	6.25	16.13	14.01
RESERVE, LA.	20.89	16.09	16.97	18.32	20.85	14.47	6.16	3.05	3.22	3.01	5.12	14.79	11.89
NEW ORLEANS, LA.	15.25	11.83	12.31	13.33	15.31	10.49	4.33	2.47	2.76	2.48	3.58	9.72	8.64
CHALMETTE, LA.	12.95	9.71	10.55	11.17	13.11	9.09	3.82	2.19	2.52	2.29	3.11	7.61	7.38
WEST POINT A LA HACHE, LA.	7.56	5.99	6.24	6.92	7.84	5.84	2.76	1.84	2.14	1.87	2.04	5.01	4.62
EMPIRE, LA.	5.54	4.46	4.75	5.21	5.88	4.45	-	-	-	-	-	4.32	-
HEAD OF PASSES, (LA.)	2.77	2.11	2.55	2.93	3.44	2.66	-	1.20	1.52	1.16	1.04	-	-

**PART I**  
**STAGES AND DAILY DISCHARGES**  
**OF THE**  
**MISSISSIPPI RIVER AND TRIBUTARIES**  
**AND**  
**OTHER WATERSHEDS**

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-25, LONG. 91-34-55. MILE 313.7 (1962 SURVEY), ON RIGHT BANK AT OLD LEVEE, ABOUT 3/4 MILE DOWNSTREAM FROM INLET CHANNEL TO OLD RIVER CONTROL STRUCTURE. (STA. 0108011.)

GAGE. AUTOMATIC RECORDER AND STAFF(S).

GENERAL INFORMATION. DRAINAGE AREA (REVISED) ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 51 FEET. LOW WATER REFERENCE PLANE, 12.3 FEET ON GAGE. STAGE IS AFFECTED BY THE DIVERSION OF WATER THRU OLD RIVER CONTROL STRUCTURE. PRIOR TO JUNE 30, 1961, GAGE WAS ABOUT 0.8 MILE UPSTREAM.

RECORDS AVAILABLE. STAGE, OCT. 20, 1955, TO MAR. 10, 1961, AND JUNE 30, 1961, TO DATE.

EXTREMES. HIGHEST, 63.15 FEET ON MAY 31, 1963. LOWEST, 8.2 FEET FROM JAN. 28 TO 30, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	48.35	55.70	49.89	47.32	56.87	50.50	37.10	22.30	19.20	20.00	20.08	30.75
2	49.18	54.89	50.34	47.70	57.10	50.01	36.48	21.90	19.40	19.65	22.40	31.70
3	50.01	53.87	50.88	48.12	57.19	49.70	35.88	21.65	19.43	19.55	24.64	33.25
4	50.63	52.50	51.30	48.30	57.30	49.60	35.20	21.45	19.50	19.68	26.37	34.25
5	50.87	51.20	51.72	48.54	57.29	49.70	34.75	21.30	19.53	19.44	27.35	35.30
6	51.34	49.80	51.90	48.73	57.25	49.85	34.05	21.20	19.33	19.21	27.95	36.28
7	51.92	48.50	52.20	48.98	57.40	49.93	33.23	21.00	19.38	19.02	27.91	37.45
8	52.40	46.95	52.44	49.30	57.44	49.75	32.70	20.90	19.18	18.60	27.80	39.00
9	52.85	46.31	52.60	49.55	57.70	49.60	31.70	20.80	19.08	18.32	27.20	40.90
10	53.57	45.33	52.65	49.87	57.80	49.10	31.00	20.90	19.15	18.05	26.92	42.20
11	54.30	44.58	52.53	50.10	57.68	48.70	30.10	20.70	19.25	17.55	26.84	43.42
12	54.90	43.97	52.12	50.44	57.49	48.16	29.20	20.50	19.45	17.30	26.95	44.30
13	55.50	43.60	51.64	50.82	57.12	47.53	28.30	20.10	19.55	17.35	26.92	45.40
14	55.80	43.58	51.03	51.25	56.78	46.86	27.65	20.00	19.60	17.63	26.53	47.20
15	56.40	43.60	50.45	52.03	56.52	46.13	27.25	19.60	19.30	18.06	26.19	47.90
16	56.80	43.65	49.95	52.75	56.38	45.27	27.00	19.70	18.88	18.09	26.14	48.40
17	57.20	44.05	49.40	53.12	56.10	44.25	26.85	19.75	18.60	17.90	25.60	48.90
18	57.50	44.40	48.70	53.44	56.00	43.46	26.96	19.90	18.25	17.75	25.15	49.10
19	58.10	44.86	48.30	53.72	55.85	42.30	26.90	20.00	18.45	17.58	25.09	49.30
20	58.37	46.03	47.70	53.90	55.62	40.95	26.90	20.04	18.58	17.25	25.20	49.10
21	58.40	46.65	47.10	53.98	55.40	40.20	26.90	20.00	18.65	17.09	26.05	48.98
22	58.40	47.34	46.48	54.04	55.17	39.65	26.90	19.75	18.62	16.80	26.83	48.71
23	58.40	47.80	46.00	54.33	54.85	39.16	26.60	19.47	18.64	16.70	28.25	48.40
24	58.44	48.15	45.64	54.56	54.57	38.60	26.20	19.44	18.72	16.51	29.56	48.25
25	58.30	48.60	45.48	54.77	54.25	38.40	25.70	19.40	19.20	16.50	30.47	48.00
26	58.10	49.00	45.20	54.95	53.81	38.40	25.21	19.35	19.28	16.32	30.70	47.70
27	57.60	49.28	45.10	55.28	53.32	38.30	24.64	19.35	19.53	16.85	30.60	47.50
28	57.40	49.53	45.15	55.62	52.80	38.05	24.10	19.40	19.85	16.81	30.15	47.30
29	56.90	-----	45.55	56.10	52.30	37.85	23.40	19.45	20.01	17.10	30.18	46.60
30	56.60	-----	46.36	56.60	51.75	37.60	23.00	19.20	20.16	17.70	30.60	45.70
31	56.20	-----	46.87	-----	51.08	-----	22.59	19.10	-----	18.73	-----	44.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	55.18	47.63	49.12	51.94	55.75	44.59	28.85	20.25	19.19	17.91	27.09	43.74
MAX	58.44	55.70	52.65	56.60	57.80	50.50	37.10	22.30	20.16	20.00	30.70	49.30
MIN	48.35	43.58	45.10	47.32	51.08	37.60	22.59	19.10	18.25	16.32	20.08	30.75
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 38.39.  
 HIGHEST STAGE WAS 58.57 AT 1:15 P.M. ON JAN 24.  
 LOWEST STAGE WAS 16.30 ON OCT 26.

## DAILY STAGE FOR 1991

MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

LOCATION. LAT. 31-00-30, LONG. 91-37-25. MILE 306.3 (1962 SURVEY), ABOUT 2-1/2 MILES UPSTREAM FROM LOWER OLD RIVER. (STA. 0110011.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,124,900 SQUARE MILES (CONTRIBUTING).

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO DATE. DISCHARGE, 1911 TO 1913, 1928, 1929, AND 1932 TO DATE. COMPUTED DAILY, SINCE 1936.

EXTREMES. FOR STAGES, SEE RED RIVER LANDING. MAXIMUM, 1,977,000 CFS OBSERVED ON FEB. 19, 1937 (RED RIVER LANDING STAGE, 58.09 NGVD). MINIMUM, 85,000 CFS COMPUTED FOR NOV. 4, 1939 (RED RIVER LANDING STAGE, 4.69 NGVD). DISCHARGE NOT DETERMINED FOR RECORD HIGH AND LOW STAGES.

## STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				45.80	55.70		36.00					
2										19.20		30.50
3	48.85			46.50		48.70	34.80		18.80			
4		51.40	50.10								25.40	33.00
5						48.70		20.60	18.90			
6		48.80	50.80		56.20						26.90	
7	50.85							20.25		18.50		
8				46.80	56.35		31.40					
9	51.80								18.50	17.85		39.30
10				48.60		48.20	30.00					
11		43.10	51.30						18.65			41.90
12						47.25		19.85			26.05	
13		42.30	50.50		56.10							
14	54.95							19.25			25.60	
15				50.75	55.40		26.30			17.60		
16	55.70								18.40			46.90
17				51.80		43.20	25.80			17.50		
18			47.50						17.80		24.40	47.60
19	57.00	43.40				41.00		19.20				
20					54.60						24.20	
21		45.30	45.80					19.25		16.70		
22	57.50			52.80	54.10		25.90					
23										16.40		47.00
24	57.40			53.15		37.50	25.20		18.10			
25		47.10	44.10								29.40	
26	57.05					37.15		18.70	18.60			
27		47.80	43.70								29.60	
28	56.00				51.80			18.70		16.60		
29		-----		54.65			20.60					
30	55.70	-----			50.80	-----			19.05	17.30	-----	44.15
31		-----		-----			21.80	-----				

DAILY FLOW FOR 1991  
MISSISSIPPI RIVER AT TARBERT LANDING, MISS.--CONTINUED  
COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	862	1218	919	795	1136	899	514	267	222	235	239	425
2	891	1163	935	804	1146	879	502	262	224	231	269	440
3	921	1100	950	814	1151	869	489	258	224	229	294	471
4	982	1044	963	824	1153	865	477	254	226	226	329	489
5	1023	1000	971	830	1155	868	467	253	226	226	344	509
6	1069	957	983	835	1156	870	454	250	224	224	374	528
7	1094	913	988	843	1160	873	441	247	222	219	375	553
8	1110	869	998	850	1158	872	425	246	221	213	373	585
9	1125	825	1001	863	1167	867	412	245	219	209	364	626
10	1145	773	1004	873	1170	856	401	245	221	202	360	660
11	1173	725	1000	882	1167	845	388	242	222	199	357	692
12	1193	710	991	890	1162	828	374	241	224	195	358	716
13	1210	700	975	904	1146	809	363	234	229	195	356	740
14	1225	699	959	917	1140	791	350	232	229	199	350	793
15	1235	699	941	941	1126	774	344	227	224	205	345	811
16	1255	701	911	963	1120	749	338	226	218	205	343	826
17	1265	708	886	972	1111	724	335	226	213	203	338	841
18	1275	717	845	982	1111	701	337	229	208	200	330	846
19	1286	727	830	991	1089	668	337	231	211	199	324	855
20	1292	760	809	1000	1054	641	337	233	213	194	326	850
21	1295	779	793	1002	1049	617	337	232	213	191	342	846
22	1303	800	777	1004	1040	611	337	230	213	187	353	841
23	1303	836	763	1009	1032	599	334	224	213	186	376	832
24	1300	860	752	1016	1022	583	325	223	213	182	398	827
25	1295	881	749	1023	1012	578	318	223	219	182	417	819
26	1294	892	743	1030	999	576	310	222	221	181	423	813
27	1285	899	737	1040	985	574	303	221	224	189	421	806
28	1272	910	737	1048	965	569	297	222	229	189	415	801
29	1261	-----	747	1066	952	550	285	222	233	192	415	781
30	1250	-----	770	1082	934	524	277	219	236	200	423	756
31	1237	-----	784	-----	915	-----	272	221	-----	217	-----	738

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1185	852	878	936	1087	734	370	236	221	203	358	713
MAX	1303	1218	1004	1082	1170	899	514	267	236	235	423	855
MIN	862	699	737	795	915	524	272	219	208	181	239	425
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
TOTAL FOR YEAR WAS 236,155,000 DSF.  
THE MEAN FLOW FOR THE YEAR WAS 647,000 DSF.  
MAXIMUM DAILY DISCHARGE WAS 1,303,000 DSF ON JAN 22 THRU 23.  
MINIMUM DAILY DISCHARGE WAS 181,000 DSF ON OCT 26.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER AT RED RIVER LANDING, LA.

LOCATION. LAT. 30-57-39, LONG. 91-39-52. SPUR DIKE ON RIGHT BANK AT MILE 302.4 (1962 SURVEY).  
(STA. 0112012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,000 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 46 FEET. LOW WATER REFERENCE PLANE, 10.6 FEET ON GAGE. FOR DAILY FLOWS SINCE CLOSURE OF LOWER OLD RIVER (MILE 304) ON JUL. 12, 1963, SEE TARBERT LANDING, MISS. GAGE WAS LOCATED ACROSS THE RIVER AT ANGOLA, LA. (MILE 302.6), OCT. 1923 TO JUNE 1940. STAGES ARE AVAILABLE FOR GAGE AT PHILLIPSTON, LA., (MILE 302.5) FROM JAN. 1937 TO DEC. 1945. PRIOR TO 1975 GAGE ZERO WAS 3.49 FEET NGVD.

RECORDS AVAILABLE. STAGE, 1851 TO 1923 AND MAR. 1940 TO DATE. DISCHARGE, 1851 AND INTERMITTENTLY FROM 1881 TO 1963. COMPUTED DAILY, FROM 1928 TO 1963.

EXTREMES. HIGHEST, 60.94 FEET FROM MAY 14 TO 17, 1927. LOWEST, 2.89 FEET ON NOV. 14, 1895. EXTREMES HAVE BEEN ADJUSTED TO NGVD. MAXIMUM, ABOUT 1,779,000 CFS WOULD HAVE OCCURRED FOR THE MAY 1927 FLOOD IF FLOW HAD BEEN CONFINED BETWEEN LEVEES. A DISCHARGE OF 1,595,000 CFS WAS OBSERVED BY FLOAT METHOD ON MAR. 31, 1882 (STAGE 51.79 NGVD). THIS DISCHARGE WAS AFFECTED BY CREVASSES. A DISCHARGE OF 1,520,000 CFS WAS COMPUTED FOR APR. 11 AND 12, 1945 (AT STAGES OF 58.69 AND 58.89 NGVD, RESPECTIVELY. MINIMUM, 75,000 CFS COMPUTED FOR NOV. 4, 1939 (STAGE, 4.64 NGVD AT ANGOLA).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	46.00	53.51	47.70	44.83	54.50	48.40	35.12	20.54	17.70	18.42	19.15	28.80
2	46.80	52.69	48.15	45.32	54.87	47.87	34.50	20.18	17.80	18.18	20.84	29.67
3	47.65	51.69	48.65	45.67	54.92	47.48	33.80	19.95	17.80	18.02	22.94	31.16
4	48.30	50.60	49.10	45.90	55.05	47.33	33.18	19.74	17.86	18.10	24.53	32.12
5	48.60	49.20	49.43	46.07	55.07	47.40	32.62	19.60	17.88	17.95	25.47	33.10
6	49.05	47.80	49.67	46.27	55.02	47.60	31.96	19.44	17.74	17.75	26.00	34.00
7	49.60	46.38	50.00	46.50	55.11	47.65	31.23	19.39	17.69	17.58	26.05	35.20
8	50.09	44.92	50.24	46.91	55.18	47.55	30.35	19.30	17.53	17.10	25.85	36.60
9	50.52	44.06	50.45	47.22	55.37	47.35	29.70	19.10	17.50	16.85	25.40	38.40
10	51.26	43.14	50.57	47.70	55.49	46.97	28.95	19.15	17.60	16.40	25.07	39.80
11	52.08	42.30	50.36	47.97	55.38	46.55	28.15	19.11	17.70	16.20	25.00	41.05
12	52.75	41.71	50.02	48.23	55.20	46.05	27.30	18.90	17.80	15.98	25.05	42.00
13	53.30	41.34	49.52	48.67	54.89	45.40	26.50	18.40	18.02	15.99	25.00	43.00
14	53.66	41.30	48.95	49.07	54.55	44.78	25.75	18.23	18.08	16.25	24.69	44.60
15	54.02	41.35	48.35	49.73	54.20	44.00	25.32	17.92	17.80	16.61	24.32	45.50
16	54.70	41.40	47.79	50.44	54.00	43.19	24.95	17.90	17.40	16.65	24.15	46.10
17	55.10	41.70	47.20	50.85	53.76	42.31	24.80	17.93	17.12	16.50	23.85	46.42
18	55.35	42.05	46.55	51.12	53.71	41.40	24.90	18.06	16.82	16.34	23.42	46.80
19	55.72	42.42	45.97	51.43	53.56	40.10	24.90	18.13	17.05	16.20	23.15	46.98
20	56.00	43.63	45.35	51.62	53.33	39.00	24.90	18.30	17.05	15.85	23.35	46.90
21	56.05	44.34	44.80	51.69	53.10	38.15	24.90	18.25	17.15	15.70	24.15	46.70
22	56.15	45.16	44.25	51.72	52.85	37.65	24.90	18.01	17.12	15.40	24.89	46.50
23	56.30	45.55	43.78	51.98	52.63	37.10	24.70	17.73	17.11	15.30	26.20	46.23
24	56.20	45.90	43.39	52.23	52.32	36.45	24.25	17.72	17.10	15.22	27.50	46.04
25	56.05	46.25	43.24	52.44	52.05	36.22	23.70	17.70	17.45	15.18	28.40	45.80
26	56.00	46.62	42.96	52.61	51.63	36.18	23.27	17.63	17.51	15.05	28.65	45.53
27	55.70	46.90	42.83	52.88	51.14	36.10	22.80	17.60	17.80	15.65	28.59	45.37
28	55.30	47.30	42.80	53.22	50.61	35.90	22.27	17.70	18.10	15.64	28.30	45.10
29	54.95	-----	43.16	53.71	50.20	35.75	21.64	17.72	18.30	15.82	28.35	44.38
30	54.60	-----	43.91	54.20	49.59	35.52	21.10	17.50	18.50	16.20	28.65	43.58
31	54.10	-----	44.42	-----	48.99	-----	20.95	17.60	-----	17.40	-----	42.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	52.97	45.40	46.89	49.61	53.49	42.45	26.88	18.53	17.60	16.50	25.23	41.49
MAX	56.30	53.51	50.57	54.20	55.49	48.40	35.12	20.54	18.50	18.42	28.65	46.98
MIN	46.00	41.30	42.80	44.83	48.99	35.52	20.95	17.50	16.82	15.05	19.15	28.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 36.38.  
HIGHEST STAGE WAS 56.37 AT 8:30 P.M. ON JAN 24.  
LOWEST STAGE WAS 15.05 ON OCT 26.

## DAILY STAGE FOR 1991

MISSISSIPPI RIVER AT BAYOU SARA, LA.

LOCATION. LAT. 30-45-48, LONG. 91-23-12. LEFT BANK, NEAR CONCRETE CASTING PLANT AT MILE 265.4 (1962 SURVEY). (STA. 0114009.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA (REVISED) 1,125,400 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 36 FEET. LOW WATER REFERENCE PLANE, 5.25 FEET ON GAGE. GAGE WAS LOCATED ON RIGHT BANK FROM AUG. 13, 1930 TO AUG. 31, 1971. PRIOR TO 1975 GAGE ZERO WAS 3.76 FEET, NGVD.

RECORDS AVAILABLE. STAGE, DEC. 3, 1888, TO DATE.

EXTREMES. HIGHEST, 55.46 FEET ON MAY 15, 1927. LOWEST, 0.96 FOOT ON NOV. 16, 1895. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	38.00	46.00	39.70	37.00	46.40	40.55	27.40	12.70	10.00	10.70	10.40	20.30
2	38.80	45.10	40.15	37.30	46.75	40.00	26.90	12.30	10.00	10.40	11.70	21.10
3	39.90	44.20	40.70	37.70	47.10	39.60	26.20	12.00	10.10	10.20	13.60	22.50
4	40.50	43.00	41.00	38.00	47.20	39.30	25.50	11.90	10.25	10.20	15.50	23.80
5	41.00	41.90	41.50	38.20	47.30	39.30	25.00	11.80	10.45	10.15	16.70	24.80
6	41.20	40.55	41.80	38.40	47.30	39.40	24.40	11.50	10.20	10.00	17.40	25.80
7	41.80	39.10	42.00	38.60	47.30	39.55	23.60	11.40	10.20	10.00	17.70	27.10
8	42.30	37.70	42.30	38.85	47.30	39.60	22.70	11.40	10.00	9.55	17.75	28.40
9	42.70	36.60	42.40	39.20	47.50	39.40	22.00	11.40	9.90	9.20	17.30	30.10
10	43.30	35.50	42.40	39.50	47.70	39.30	21.25	11.40	9.90	8.80	16.90	31.70
11	44.20	34.90	42.40	39.80	47.70	38.80	20.40	11.60	10.00	8.70	16.60	32.90
12	44.90	34.35	42.30	40.10	47.70	38.30	19.40	11.20	10.00	8.20	16.60	34.00
13	45.40	34.00	41.80	40.40	47.20	37.75	18.60	10.90	10.00	8.20	16.60	34.80
14	46.00	33.80	41.30	40.90	46.80	37.10	17.80	10.70	10.00	8.20	16.30	36.40
15	46.30	33.80	40.70	41.70	46.50	36.40	17.20	10.50	10.00	8.70	16.15	37.35
16	46.80	33.80	40.10	42.20	46.25	35.60	16.90	10.20	9.70	8.90	16.00	38.00
17	47.40	34.00	39.80	42.65	45.90	34.80	16.65	10.30	9.40	8.70	15.70	38.50
18	47.80	34.35	39.00	43.00	45.80	33.90	16.50	10.30	9.05	8.70	15.40	38.80
19	48.25	34.75	38.40	43.30	45.80	33.00	16.50	10.50	9.00	8.45	15.20	39.00
20	48.50	36.00	37.85	43.40	45.60	31.70	16.60	10.50	9.15	8.30	15.20	39.10
21	48.80	36.70	37.15	43.65	45.30	30.70	16.70	10.60	9.25	8.20	15.80	39.00
22	48.80	37.45	36.60	43.65	45.00	30.10	16.80	10.40	9.20	8.20	16.50	38.80
23	48.70	37.80	36.05	43.80	44.80	29.50	16.60	10.15	9.20	8.10	17.60	38.60
24	48.90	38.00	35.80	44.00	44.50	29.00	16.20	10.15	9.50	8.10	18.70	38.30
25	48.60	38.40	35.50	44.30	44.10	28.60	16.00	10.15	9.70	8.00	19.80	38.10
26	48.30	38.85	35.20	44.60	43.80	28.30	15.30	10.10	9.80	8.00	20.30	37.85
27	48.20	39.10	35.00	44.80	43.30	28.40	14.60	10.00	10.00	8.00	20.30	37.70
28	47.85	39.40	35.10	45.10	42.80	28.30	14.00	10.20	10.15	8.10	20.00	37.50
29	47.20	-----	35.30	45.45	42.25	28.00	13.70	10.10	10.40	8.20	20.00	37.00
30	47.15	-----	36.00	46.00	41.80	27.80	13.25	10.00	10.50	8.40	20.30	36.10
31	46.70	-----	36.50	-----	41.20	-----	12.90	10.00	-----	9.10	-----	35.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	45.30	37.82	39.09	41.52	45.68	34.73	18.95	10.85	9.83	8.86	16.80	33.51
MAX	48.90	46.00	42.40	46.00	47.70	40.55	27.40	12.70	10.50	10.70	20.30	39.10
MIN	38.00	33.80	35.00	37.00	41.20	27.80	12.90	10.00	9.00	8.00	10.40	20.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 28.53.

HIGHEST STAGE WAS 49.00 AT 4:00 P.M. ON JAN 24.

LOWEST STAGE WAS 8.00 ON OCT 24 AND LATER DATE(S).

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER AT BATON ROUGE, LA.

LOCATION. LAT. 30-25-45, LONG. 91-12-25. ON FOREBAY WALL OF PORT ALLEN LOCK AT MILE 228.4 (1962 SURVEY). (STA. 0116009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,810 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 29 FEET. LOW WATER REFERENCE PLANE, 2.57 FEET ON GAGE. NATURAL FLOW IS AFFECTED BY TIDES AT LOW WATER. THE LOCATION OF GAGE HAS BEEN CHANGED SLIGHTLY SEVERAL TIMES DURING PERIOD OF RECORD. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.52 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, 1872 TO DATE. DISCHARGE, 1929, 1938 TO 1957, AND 1973 TO 1975. COMPUTED DAILY, FROM 1931 TO 1945, AND 1947 TO 1956.

EXTREMES. HIGHEST, 47.28 FEET ON MAY 15, 1927. LOWEST, MINUS 0.07 FOOT ON NOV. 14, 1894. MAXIMUM, 1,473,000 CFS OBSERVED ON APR. 16, 1945 (STAGE, 44.58 NGVD). MINIMUM 73,700 CFS OBSERVED ON OCT. 19, 1939 (STAGE, 2.58 NGVD). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	30.07	37.30	31.45	28.95	37.65	32.49	20.73	7.98	6.45	6.88	6.71	14.47
2	30.80	36.63	31.93	29.30	38.00	31.97	20.27	7.82	6.43	6.86	7.25	15.00
3	31.80	35.77	32.32	29.63	38.30	31.57	19.69	7.55	6.50	6.59	8.80	16.15
4	32.38	34.68	32.59	29.94	38.40	31.36	19.05	7.25	6.50	6.40	10.14	17.18
5	32.74	33.63	32.87	30.15	38.48	31.26	18.51	7.16	6.50	6.49	11.15	17.98
6	33.11	32.48	33.08	30.30	38.53	31.40	18.02	6.95	6.44	6.29	11.80	18.88
7	33.50	31.18	33.33	30.45	38.52	31.55	17.33	6.82	6.27	6.55	12.08	19.90
8	33.93	29.83	33.67	30.70	38.73	31.62	16.61	6.87	6.17	6.29	12.12	21.15
9	34.35	28.77	33.87	31.03	38.83	31.50	15.78	6.82	6.14	6.06	11.77	22.82
10	34.95	27.95	33.97	31.33	39.02	31.30	15.10	6.80	6.37	5.85	11.45	24.33
11	35.85	27.28	34.00	31.58	38.93	31.00	14.34	7.00	6.47	5.57	11.18	25.50
12	36.37	26.74	33.70	31.88	38.78	30.54	13.53	6.85	6.45	5.42	11.20	26.34
13	36.83	26.35	33.35	32.20	38.46	30.00	12.78	6.53	6.50	5.19	11.10	27.22
14	37.20	26.29	32.95	32.48	38.15	29.47	12.08	6.47	6.52	5.25	11.10	28.45
15	37.54	26.25	32.40	33.32	37.90	28.91	11.60	6.33	6.47	5.48	10.99	29.34
16	38.13	26.28	31.95	33.83	37.60	28.27	11.23	6.30	6.15	5.58	10.81	29.99
17	38.58	26.50	31.58	34.16	37.35	27.58	11.01	6.23	5.87	5.45	10.65	30.30
18	38.87	26.82	31.01	34.57	37.24	26.80	10.98	6.26	5.62	5.22	10.50	30.70
19	39.40	27.20	30.40	34.82	37.14	25.91	11.00	6.30	5.68	5.12	10.45	31.10
20	39.68	28.28	29.87	34.99	36.98	24.84	11.03	6.30	5.71	5.10	10.47	31.10
21	39.87	28.92	29.31	35.10	36.85	23.80	11.05	6.25	5.90	5.07	10.75	31.10
22	39.74	29.55	28.78	35.09	36.67	23.16	11.12	6.15	5.89	5.13	11.25	30.90
23	39.74	29.86	28.40	35.22	36.47	22.63	11.05	6.05	6.00	5.36	11.99	30.70
24	39.81	30.08	28.03	35.43	36.13	22.00	10.78	6.03	6.07	5.50	12.79	30.50
25	39.75	30.38	27.85	35.77	35.70	21.75	10.43	6.10	6.18	5.46	13.65	30.30
26	39.55	30.73	27.67	36.02	35.45	21.58	9.99	6.13	6.38	5.54	14.15	30.10
27	39.25	30.90	27.52	36.17	35.01	21.50	9.60	6.35	6.43	5.62	14.30	29.80
28	39.00	31.15	27.50	36.30	34.50	21.44	9.23	6.38	6.57	5.86	14.18	29.80
29	38.52	-----	27.70	36.88	34.05	21.22	8.75	6.33	6.86	5.78	14.10	29.40
30	38.40	-----	28.20	37.45	33.59	21.03	8.43	6.25	6.80	5.75	14.34	28.70
31	37.93	-----	28.65	-----	33.07	-----	8.15	6.43	-----	5.93	-----	28.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	36.70	29.92	30.96	33.17	37.11	27.31	13.20	6.61	6.28	5.76	11.44	26.04
MAX	39.87	37.30	34.00	37.45	39.02	32.49	20.73	7.98	6.86	6.88	14.34	31.10
MIN	30.07	26.25	27.50	28.95	33.07	21.03	8.15	6.03	5.62	5.07	6.71	14.47
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 22.01.

HIGHEST STAGE WAS 39.95 AT 11:30 A.M. ON JAN 24.

LOWEST STAGE WAS 4.76 ON OCT 25.

## DAILY STAGE FOR 1991

MISSISSIPPI RIVER AT DONALDSONVILLE, LA.

LOCATION. LAT. 30-06-30, LONG. 90-59-15. BAYOU LAFOURCHE FRESH WATER PUMPING PLANT AT MILE 175.4 (1962 SURVEY). (STA. 0122009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,860 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 23 FEET. LOW WATER REFERENCE PLANE, 1.33 FEET ON GAGE. PRIOR TO JAN. 26, 1961, GAGE WAS ABOUT 0.2 MILE DOWNSTREAM. PRIOR TO 1975 GAGE ZERO WAS MINUS 1.19 FEET, NGVD.

RECORDS AVAILABLE. STAGE, JUNE 9, 1890, TO DATE.

EXTREMES. HIGHEST, 36.01 FEET ON MAY 15, 1927. LOWEST, MINUS 0.39 FOOT ON JAN. 12, 1918. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.76	28.78	22.56	20.40	27.50	23.36	13.89	4.36	4.10	4.44	3.92	8.75
2	22.33	28.21	22.96	20.60	27.78	22.98	13.25	3.90	4.00	4.58	3.94	8.86
3	23.13	27.51	23.18	20.92	28.04	22.69	13.21	3.93	4.00	4.42	4.42	9.53
4	23.60	26.59	23.60	21.14	28.15	22.41	12.34	3.92	4.14	3.66	5.97	10.04
5	23.84	25.10	23.70	21.36	28.26	22.39	12.11	3.93	4.22	3.65	6.72	10.21
6	24.16	24.40	24.00	21.48	28.38	22.49	11.48	4.18	4.28	3.71	7.41	11.91
7	24.50	23.40	24.15	21.65	28.50	22.70	11.12	4.18	3.83	3.95	6.87	12.69
8	24.90	23.25	24.42	21.80	28.75	22.74	10.48	4.20	3.89	3.92	6.74	13.59
9	25.30	21.64	24.50	22.03	28.77	22.74	9.80	3.54	3.80	3.90	6.53	15.15
10	25.88	20.76	24.61	22.22	28.82	22.60	9.60	3.50 E	4.00	3.44	6.56	15.49
11	26.50	20.14	24.70	22.46	28.74	22.35	8.62	3.41	4.11	3.48	6.42	17.15
12	27.08	19.20	24.50	22.69	28.69	21.67	7.96 E	3.80	3.58	3.50	6.53	18.07
13	27.49	18.80	24.30	22.91	28.52	20.91	8.78	3.87	4.19	3.52	6.19	18.81
14	27.70	18.80	23.90	23.16	28.26	20.66	7.49	3.77	4.23	3.59	6.26	19.66
15	28.10	18.61	23.45	23.87	27.93	20.20	6.70	3.79	4.05	3.40	6.21	20.36
16	28.50	18.58	23.13	24.25	27.60	19.71	6.40	3.84	4.06	3.40	6.21	21.02
17	28.80	18.84	22.78	24.60	27.45	19.10	6.10	3.97	4.05	3.34	5.92	21.31
18	29.10	19.06	22.12	24.84	27.50	18.59	5.90	4.09	3.43	3.34	5.97	22.05
19	29.70	19.20	21.90	25.12	27.49	17.87 E	5.90	3.60	3.16	3.34	6.20	22.22
20	29.80	20.00	21.47	25.30	27.40	17.44	6.25	3.50	3.30	3.34	6.18	22.55
21	29.90	20.48	20.99	25.37	27.40	15.91	6.27	3.30	3.31	3.34	6.16	22.57
22	29.90	21.00	20.40	25.45	27.30	16.13	6.40	2.88	3.41	2.60	5.38	22.25
23	30.00	21.19	20.04	25.62	27.20	15.70	6.30	2.96	3.60	2.59	5.87	22.48
24	30.25	21.38	19.67	25.87	26.90	15.17 E	6.20	3.06	3.60	3.40	5.86	22.57
25	30.30	21.70	19.50	26.07	26.20	14.90	5.90	3.07	3.61	3.60	8.07	22.08
26	30.23	22.00	19.60	26.26	26.00	14.40 E	5.60 E	3.20	3.66	3.48	7.81	21.72
27	29.80	22.20	19.51	26.42	24.41	13.81 E	5.30	3.20	3.54	3.48	8.58	22.03
28	29.60	22.27	19.41	26.54	23.95	13.72	5.00 E	3.30	3.82	4.08	8.11	21.93
29	29.30	-----	19.55	26.92	24.69	13.50	4.80 E	3.30	3.86	4.17	8.16	21.13
30	29.00	-----	19.79	27.45	24.19	13.42	4.54 E	3.50	3.85	4.13	8.45	20.93
31	29.41	-----	20.21	-----	23.89	-----	4.51	4.00	-----	4.02	-----	20.23

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	27.41	21.90	22.21	23.83	27.25	19.08	8.01	3.65	3.82	3.64	6.45	18.04
MAX	30.30	28.78	24.70	27.45	28.82	23.36	13.89	4.36	4.28	4.58	8.58	22.57
MIN	21.76	18.58	19.41	20.40	23.89	13.42	4.51	2.88	3.16	2.59	3.92	8.75
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 15.41.

HIGHEST STAGE WAS 30.82 AT 9:00 A.M. ON JAN 26.

LOWEST STAGE WAS 2.57 ON AUG 21.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER AT COLLEGE POINT (LA.)

LOCATION. LAT. 29-59-44, LONG. 90-49-33. COLLEGE POINT LANDING AT MILE 157.4 (1962 SURVEY).  
(STA. 0124010.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,870 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 17 FEET. LOW WATER REFERENCE PLANE, 1.06 FEET ON GAGE. PRIOR TO 1975 GAGE ZERO WAS 0.42 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, DEC. 18, 1879, TO SEP. 30, 1885, AND DEC. 1, 1888, TO DATE.

EXTREMES. HIGHEST, 32.32 FEET ON MAY 15, 1927. LOWEST, MINUS 0.60 FOOT ON JAN. 12, 1918.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19.50	25.10	20.60	18.30	24.85	20.95	11.90	4.60	4.40	4.70	4.30	7.80
2	20.10	24.50	20.90	18.50	25.05	20.60	11.70	4.60	4.50	4.70	4.45	8.00
3	20.90	23.80	21.20	18.85	25.30	20.20	11.35	4.50	4.40	4.30	4.90	8.65
4	21.30	23.00	21.20	19.15	25.30	20.00	10.90	4.30	4.30	3.90	5.50	9.20
5	21.60	22.20	21.40	19.30	25.40	19.90	10.45	4.20	4.20	3.70	6.00	9.80
6	21.90	21.30	21.45	19.40	25.55	20.05	10.20	4.00	4.00	3.90	6.40	10.30
7	22.15	20.30	21.65	19.50	25.60	20.30	9.95	3.80	4.00	4.20	6.65	10.90
8	22.40	19.25	21.95	19.80	25.70	20.45	9.40	3.70	3.90	4.00	6.70	11.60
9	22.75	18.50	22.20	19.95	25.80	20.35	8.90	3.60	3.80	3.80	6.60	12.90
10	23.40	17.90	22.25	20.15	25.85	20.25	8.45	3.70	4.05	3.80	6.40	14.20
11	24.00	17.40	22.15	20.35	25.90	19.95	8.00	3.70	4.20	3.60	6.10	15.30
12	24.40	16.90	22.00	20.60	25.70	19.50	7.60	3.70	4.30	3.50	6.00	16.20
13	24.60	16.80	21.70	20.80	25.50	19.10	7.10	3.60	4.30	3.50	5.90	17.00
14	24.90	16.70	21.40	21.10	25.30	18.65	6.60	3.80	4.30	3.50	6.05	17.60
15	25.30	16.70	21.10	21.50	25.00	18.20	6.20	3.80	4.20	3.60	5.95	18.30
16	25.50	16.50	20.80	21.85	24.80	17.70	6.00	3.90	4.10	3.60	5.75	19.10
17	26.00	16.85	20.50	22.10	24.65	17.20	5.90	3.90	3.90	3.35	5.75	19.40
18	26.25	17.00	20.20	22.30	24.55	16.70	5.90	3.90	3.80	3.20	5.70	19.70
19	26.60	17.20	19.65	22.60	24.50	16.10	5.80	3.80	3.70	3.20	5.80	20.00
20	26.85	18.00	19.20	22.75	24.50	15.30	5.80	3.60	3.70	3.20	5.90	20.40
21	27.00	18.50	18.70	22.85	24.40	14.50	5.90	3.50	3.70	3.10	5.80	20.20
22	27.05	19.05	18.50	22.90	24.40	13.90	6.00	3.40	3.70	3.25	6.20	20.00
23	26.90	19.15	18.20	23.00	24.45	13.40	5.80	3.40	3.70	3.60	6.60	19.90
24	27.15	19.30	17.90	23.25	24.10	13.00	5.70	3.40	3.70	3.80	6.90	19.75
25	27.00	19.55	17.65	23.50	23.70	12.65	5.50	3.50	4.00	3.90	7.20	19.60
26	26.80	19.95	17.55	23.80	23.40	12.45	5.40	3.60	4.10	4.10	7.50	19.45
27	26.60	20.10	17.50	24.00	22.90	12.40	5.20	3.90	4.10	4.30	7.70	19.50
28	26.40	20.30	17.45	24.10	22.50	12.40	5.00	3.90	4.20	4.60	7.60	19.50
29	26.30	-----	17.50	24.15	22.05	12.30	4.80	3.90	4.30	4.60	7.60	19.20
30	25.90	-----	17.90	24.85	21.75	12.10	4.60	3.90	4.55	4.45	7.70	18.50
31	25.60	-----	18.10	-----	21.35	-----	4.60	4.00	-----	4.10	-----	18.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	24.62	19.35	20.01	21.51	24.51	17.02	7.31	3.84	4.07	3.84	6.25	16.13
MAX	27.15	25.10	22.25	24.85	25.90	20.95	11.90	4.60	4.55	4.70	7.70	20.40
MIN	19.50	16.50	17.45	18.30	21.35	12.10	4.60	3.40	3.70	3.10	4.30	7.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 14.01.

HIGHEST STAGE WAS 27.15 AT 8:00 A.M. ON JAN 24.

LOWEST STAGE WAS 2.90 ON OCT 22 AND LATER DATE(S).

## DAILY STAGE FOR 1991

MISSISSIPPI RIVER AT RESERVE, LA.

LOCATION. LAT. 30-03-20, LONG. 90-34-07. WHARF AT MILE 138.7 (1962 SURVEY). (STA. 0126006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT TYPE.

GENERAL INFORMATION. GAGE READ BY NATIONAL WEATHER SERVICE. DRAINAGE AREA, (REVISED)  
1,125,880 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 15 FEET. LOW WATER REFERENCE  
PLANE, 0.7 FOOT ON GAGE.

RECORDS AVAILABLE. STAGE, 1936 TO DATE.

EXTREMES. HIGHEST, 26.0 FEET ON JUNE 11, 1929. LOWEST, MINUS 0.1 FOOT ON FEB. 3, 1940.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.33	21.31	17.32	15.49	21.09	17.78	10.10	3.60	3.61	3.80 E	3.50	7.42
2	16.86	20.77	17.53	15.72	21.26	17.40	9.99	3.65	3.62	4.05 E	3.00 F	7.46
3	17.54	20.16	17.81	16.07	21.50	17.20	9.73	3.58	3.65	3.47 E	3.50	8.06
4	17.89	19.47 F	17.71	16.27	21.58	17.00	9.34	3.58	3.74	3.17 E	4.00	8.46
5	18.12 F	18.37 F	18.00	16.36	21.67	16.93	9.01	3.30	3.42	3.10 E	4.70	8.96
6	18.40	17.95	17.95	16.48	21.68	17.00	8.80	3.20	3.31	2.98 E	5.10	9.55
7	18.60	17.04	18.12	16.61	21.75	17.36	8.49	3.22	2.95 E	2.90 E	5.50	10.23
8	18.89	16.05	18.42	16.85	22.03	17.40 F	8.05	3.04	2.76 E	2.90 E	5.60	10.84
9	19.12	15.34	18.53	17.01	22.04	17.34	7.55	2.98	2.88 E	2.80 E	5.50	11.88
10	19.74	14.78	18.62	17.16	22.04	17.20	7.03	2.97	3.14 E	2.80 E	5.30	13.00
11	20.35	14.50	18.60	17.34	22.06	17.00	6.64	2.96	3.28 E	2.70 E	5.10	13.96
12	20.56	14.10	18.60	17.59	21.88	16.62	6.17	2.94	3.36 E	2.60 E	5.10	14.74
13	20.95	13.80	18.40	17.77	21.74	16.22	5.81	2.92	3.37 E	2.60 E	5.00	15.50
14	21.20	13.77	18.10	17.96	21.48	15.85	5.47	2.94	3.44 E	2.80 E	5.10	16.29
15	21.40	13.73	17.80	18.39	21.37	15.42	5.28	2.94	3.54 E	2.90 E	5.10	16.89
16	21.80	13.66	17.70	18.58	21.10	15.09	5.13	3.04	3.30 E	2.90 E	5.00	17.36
17	22.10	13.88	17.70	18.82	20.91	14.62	5.09	3.08	3.00 E	2.70 E	4.90	17.70
18	22.40	13.97	17.20	18.98	20.83	14.22	5.15	3.14	3.00 E	2.50 E	4.80	17.89
19	22.80 F	14.19	16.90	19.20	20.86	13.72	5.21	2.95	2.90 E	2.40 E	4.90	18.22
20	23.00	14.80	16.50	19.39	20.70	13.03	5.12	3.01	2.80 E	2.40 E	5.00	18.65
21	23.00	15.20	16.10	19.47	20.80	12.31	5.27	2.88	3.00 E	2.30 E	4.90	18.61
22	23.00	15.60	15.90	19.53	20.80	11.80	5.29	2.88	2.80 E	2.40 E	5.00	18.28
23	22.90	15.80	15.50	19.67	20.80	11.40	5.24	2.87	2.81 E	2.70 E	5.20	18.32
24	23.10	15.90	15.40	19.78	20.40 F	10.99	5.07	2.71	2.78 E	3.00 E	5.30	18.12
25	23.02	16.20	15.10	20.06	20.00	10.80	4.44	2.71	2.91 E	3.10 E	5.70	17.93
26	22.83	16.50	14.94	20.49	19.90	10.58	4.24	2.70	3.11 E	3.20 E	6.00	17.81
27	22.73	16.70	14.97	20.40	19.52	10.56	3.93	2.83	3.20 E	3.60 E	6.10	17.84
28	22.50	16.98	14.91	20.40	19.09	10.50	3.76	2.71	3.37 E	3.70 E	6.50	17.62
29	22.40	-----	15.08	20.60	18.77	10.36	3.61	2.83	3.68 E	3.70 E	6.50	17.35
30	22.21	-----	15.17	21.22	18.49	10.27	3.51	2.99	3.79 E	3.70 E	6.70	17.00
31	21.79	-----	15.45	-----	18.22	-----	3.57	3.44	----- E	3.30	-----	16.53

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.89	16.09	16.97	18.32	20.85	14.47	6.16	3.05	3.22	3.01	5.12	14.79
MAX	23.10	21.31	18.62	21.22	22.06	17.78	10.10	3.65	3.79	4.05	6.70	18.65
MIN	16.33	13.66	14.91	15.49	18.22	10.27	3.51	2.70	2.76	2.30	3.00	7.42
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 11.89.

HIGHEST STAGE WAS 23.19 AT 11:00 A.M. ON JAN 24.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 2.30 ON OCT 21.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER AT BONNET CARRE (LA.)

LOCATION. LAT. 29-59-55, LONG. 90-26-35. ON LEFT BANK NEAR LOWER GUIDE LEVEE OF BONNET CARRE SPILLWAY AT MILE 127.1 (1962 SURVEY). (STA. 0128007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,890 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 14 FEET. LOW WATER REFERENCE PLANE, 0.68 FOOT ON GAGE. THE LOCATION OF GAGE HAS BEEN CHANGED SLIGHTLY SEVERAL TIMES DURING PERIOD OF RECORD. PRIOR TO 1974 GAGE ZERO WAS 0.08 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAR. 19, 1930 TO 1973, 1975 TO 1980, 1982 TO DATE. BUT ONLY ABOVE TEN FEET FOR 1953 TO 1984.

EXTREMES. HIGHEST, 23.79 FEET (FROM WATERMARK) ON JUNE 10, 1929. LOWEST, MINUS 0.62 FOOT ON JAN. 24 AND 25, 1940. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			16.20		19.50		8.97	3.40		3.20	2.80	
2	15.50			14.20			8.85			3.30		
3	16.20			14.80	19.80	15.50	8.63			3.00		6.25
4	16.35	17.80	16.30	14.80	20.10	15.40				3.10	3.80	
5		17.35	16.50	14.80		15.33		3.13		3.03	4.35	
6		16.45	16.45	15.20	19.98	15.38					4.60	7.35
7	17.25	15.35	16.60		20.00					2.75	4.90	7.70
8	17.30	14.80	16.65	15.50	20.30	15.90	6.98			2.50	4.95	
9	17.50				20.40		6.50			2.20		
10	18.30				20.50	15.80	6.00			1.90		
11	18.65	13.00	17.05	15.80		15.50	5.50			1.80		11.50
12			17.00	16.10		15.15	4.78					
13		12.80	16.90	16.20	20.00	14.80						13.05
14	19.40		16.70	16.38	19.80	14.40						
15	19.75	12.50	16.40		19.55					2.15		
16	20.05		16.30	16.80	19.44			2.65		2.10		14.70
17	20.40			17.40	19.25	13.40				2.15		14.90
18	20.50		15.60	17.75		13.00			2.75	2.05	4.30	15.00
19			15.12	17.80		12.50	4.40		2.88	2.15	4.20	
20					19.10	11.80		2.60				15.60
21		14.10	14.20		19.10	11.10		2.40	2.95	2.10		
22		14.60	14.30		19.20		4.20	2.30				
23	21.05				19.20		4.20	2.28	2.95			
24	21.30				18.80		4.10	2.88	2.55	2.10		15.25
25	21.25	15.00	13.60		18.45		3.90		2.45	1.95	5.28	
26		15.27	13.60				3.74		2.35		5.45	
27		15.48	13.62			9.54	3.95		2.30			
28	20.80	15.53	13.48		17.50	9.20						
29	20.40	-----	13.65	19.50	17.05		3.18			2.40		
30	20.30	-----		19.50	16.85		3.28		3.05			14.20
31	20.25	-----		-----	16.70	-----	3.30		-----	3.00	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	19.12	15.00	15.53	16.41	19.16	13.75	5.25	2.70	2.69	2.45	4.46	12.32
MAX	21.30	17.80	17.05	19.50	20.50	15.90	8.97	3.40	3.05	3.30	5.45	15.60
MIN	15.50	12.50	13.48	14.20	16.70	9.20	3.18	2.28	2.30	1.80	2.80	6.25
DAYS	20	14	21	16	23	17	18	8	9	20	10	11

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 187

THE MEAN STAGE FOR THE YEAR WAS 11.90.

HIGHEST STAGE WAS 21.30 AT 5:42 A.M. ON JAN 24.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.80 ON OCT 11.

## DAILY STAGE FOR 1991

MISSISSIPPI RIVER AT NEW ORLEANS (CARROLLTON), LA.

LOCATION. LAT. 29-56-05, LONG. 90-08-10. CORPS OF ENGINEERS DOCK AT MILE 102.8 (1962 SURVEY).  
(STA. 0130007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,910 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 11.0 FEET. LOW WATER REFERENCE PLANE, 0.48 FOOT ON GAGE. NATURAL FLOW IS AFFECTED BY TIDES. GAGE PRIOR TO 1957 WAS AT MILE 103.5.

RECORDS AVAILABLE. STAGE, JAN. 12, 1872 TO DATE. DISCHARGE, INTERMITTENTLY 1851, 1852, 1879 TO 1950, 1969, 1971, AND 1973 TO DATE. COMPUTED DAILY, 1928 TO 1936 AND 1938 TO 1944.

EXTREMES. HIGHEST, 21.27 FEET ON APR. 25, 1922. LOWEST, MINUS 1.60 FEET ON DEC. 27, 1872.  
MAXIMUM, 1,557,000 CFS WAS OBSERVED ON MAY 18, 1927 (STAGE, 20.5), AT MERALUX, LA. (MILE 87.1).  
BUT FLOW WAS AFFECTED BY ARTIFICIAL CREVASSE MADE ON APR. 29 AT CAERNARVON, LA. (MILE 81.6)  
MINIMUM, 49,200 CFS OBSERVED ON NOV. 1, 1939 (STAGE, 1.2).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1986 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.87	15.59	12.92	11.10	15.45	12.95	7.12	2.82	3.20	3.35	3.12	4.42
2	12.33	15.20	13.00	11.23	15.60	12.67	7.02	2.87	3.16	3.70	2.60	4.41
3	12.89	14.72	13.20	11.55	15.75	12.50	6.80	2.88	3.25	3.10	2.72	4.83
4	13.14	14.10	12.95	11.71	15.75	12.42	6.60	2.96	3.40	2.80	3.05	4.99
5	13.39	13.78	13.10	11.74	15.90	12.35	6.35	2.98	3.28	2.70	3.28	5.39
6	13.49	13.08	13.06	11.84	15.82	12.46	6.27	2.83	3.00	2.55	3.49	5.74
7	13.56	12.37	13.15	11.86	15.90	12.85	6.12	2.82	2.55	2.42	3.75	6.15
8	13.70	11.68	13.35	12.17	16.11	12.90	5.77	2.64	2.28	2.30	3.90	6.66
9	13.87	11.18	13.43	12.32	16.22	12.90	5.35	2.46	2.33	2.08	3.80	7.48
10	14.32	10.82	13.50	12.38	16.16	12.83	4.94	2.12	2.47	2.15	3.64	8.21
11	14.85	10.44	13.48	12.56	16.20	12.65	4.54	2.18	2.57	2.13	3.49	8.98
12	14.91	10.26	13.46	12.85	16.10	12.27	4.16	2.05	2.76	2.18	3.45	9.57
13	15.22	10.20	13.47	13.00	15.90	11.85	3.75	2.04	2.80	2.14	3.39	10.17
14	15.35	10.19	13.28	13.15	15.70	11.59	3.52	2.40	2.86	2.38	3.58	10.72
15	15.65	10.16	13.07	13.50	15.60	11.25	3.44	2.30	2.97	2.45	3.54	11.15
16	15.85	10.07	12.96	13.60	15.40	10.94	3.35	2.48	2.88	2.62	3.41	11.55
17	16.15	10.35	13.00	13.68	15.25	10.60	3.38	2.56	2.70	2.33	3.33	11.75
18	16.36	10.43	12.50	13.80	15.18	10.29	3.47	2.65	2.84	1.96	3.40	11.80
19	16.87	10.68	12.09	13.88	15.25	10.00	3.54	2.52	2.75	1.80	3.23	12.12
20	16.76	10.98	11.77	14.04	15.23	9.40	3.51	2.53	2.63	1.90	3.35	12.65
21	16.84	11.28	11.45	14.10	15.30	8.80	3.74	2.43	2.60	1.80	3.12	12.55
22	16.76	11.59	11.38	14.15	15.50	8.40	3.77	2.29	2.40	1.75	3.42	12.35
23	16.70	11.53	10.98	14.29	15.55	8.00	3.69	2.23	2.36	1.90	3.57	12.47
24	16.95	11.60	10.80	14.44	15.13	7.75	3.57	2.17	2.28	2.05	3.76	12.40
25	16.88	11.92	10.67	14.79	14.82	7.55	3.40	2.12	2.35	2.20	4.07	12.27
26	16.67	12.16	10.70	15.25	14.73	7.45	3.23	2.00	2.50	2.55	4.37	12.15
27	16.48	12.37	10.83	15.03	14.40	7.45	2.97	2.36	2.58	2.77	4.50	12.19
28	16.43	12.50	10.80	15.10	14.08	7.35	2.85	2.11	2.73	3.12	4.37	11.98
29	16.40	-----	11.24	15.23	13.74	7.25	2.68	2.27	3.07	3.14	4.36	11.68
30	16.25	-----	11.00	15.70	13.50	7.17	2.62	2.55	3.35	3.37	4.40	11.50
31	15.92	-----	11.16	-----	13.29	-----	2.73	2.88	-----	3.04	-----	11.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.25	11.83	12.31	13.33	15.31	10.49	4.33	2.47	2.76	2.48	3.58	9.72
MAX	16.95	15.59	13.50	15.70	16.22	12.95	7.12	2.98	3.40	3.70	4.50	12.65
MIN	11.87	10.07	10.67	11.10	13.29	7.17	2.62	2.00	2.28	1.75	2.60	4.41
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 8.64.

HIGHEST STAGE WAS 17.05 AT 11:00 P.M. ON JAN 24.

LOWEST STAGE WAS 1.24 ON OCT 13.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER (IMJ) AT HARVEY LOCK (LA.)

LOCATION. LAT. 29-54-35, LONG. 90-05-04. ON FOREBAY LOCK WALL AT MILE 98.3 (1962 SURVEY).  
(STA. 0132007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. BANKFULL STAGE, 9.5 FEET. LOW WATER REFERENCE PLANE, 0.35 FOOT ON GAGE.  
PRIOR TO 1974 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. STAGE, JAN. 1, 1924, TO DATE.

EXTREMES. HIGHEST, 19.42 FEET ON APR. 24, 1927. LOWEST, MINUS 0.68 FOOT ON DEC. 17 AND 18, 1953.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.40	14.85	11.90	10.50	14.60	12.30	6.70	2.51	2.82	3.15	3.17	4.19
2	11.70	14.30	12.20	10.60	14.70	12.00	6.67	2.67	2.95	3.42	2.33	4.20
3	12.30	13.95	12.35	10.90	14.72	11.77	6.45	2.75	3.17	2.79	2.67	4.52
4	12.48	13.35	12.25		14.67	11.71	6.36	2.70	3.00	2.70	2.92	4.65
5	12.55	12.95	12.30	11.00	14.80	11.65	5.97	2.64	2.91	2.37		4.98
6	12.62	12.35	12.33	11.27	14.85	11.67	5.90	2.65	2.88	2.26	3.16	5.43
7	12.83	11.74	12.42	11.40	14.80	12.10	5.65	2.38	2.38	2.45	3.67	5.83
8	12.90	10.98	12.60	11.55	15.03	12.10	5.51	2.15	2.10	2.52	3.83	6.35
9	12.95	10.50	12.64	11.79	15.35	12.11	4.99	2.01	2.25	2.25	3.73	6.96
10	13.50	10.18	12.65	11.78	15.18	12.08	4.60	1.95	2.54	2.45	3.38	7.35
11	13.98	10.00	12.72	11.89	15.08	12.90	4.30	1.83	2.60	2.42	3.15	8.24
12	14.05	9.80	12.79	11.98	15.04	11.40	4.00	1.85	2.72	2.38	3.18	8.90
13	14.20	9.59	12.70	12.26	14.98	11.31	3.60	1.86	2.90	2.10	3.19	9.60
14	14.45	9.62	12.60	12.44	14.92	11.10	3.28	2.33	2.93	2.35	3.68	10.00
15	14.87	9.63	12.38	12.80	14.60	10.55	3.25	2.35	2.98	2.45	3.44	10.44
16	14.90	9.49	12.20	12.80	14.52	10.29	3.13	2.27	2.78	2.44	3.30	10.81
17	15.12	9.81	12.26	12.90	14.50	10.15	3.15	2.32	2.58	2.30	3.23	11.00
18	15.25	9.76	11.90	12.95	14.48	9.85	3.20	2.06	2.75	1.91	3.57	11.10
19	15.94	10.03	11.45	13.02	14.45	9.48	3.35	2.41	2.55	1.70	3.46	11.37
20	15.97	10.45	11.10	13.20	14.30	9.05	3.32	1.96	2.54	1.94	3.55	12.00
21	15.71	10.65	10.95	13.39	14.31	8.37	3.49	2.10	2.62	1.63	3.59	11.97
22	15.75	10.85	10.98	13.42	14.55	7.94	3.44	1.97	2.60	1.70	3.68	11.78
23	15.68	10.90	10.40	13.48	14.43	7.58	3.14	1.90	2.40	2.20	3.30	11.65
24	15.90	10.95	10.20	13.58	14.18	7.28	3.26	1.85	2.38	1.79	3.20	11.63
25	15.85	11.25	10.10	13.85	13.93	7.10	3.20	1.86	2.52	2.46	3.70	11.47
26	15.75	11.35	10.04	14.29	13.68	7.07	3.18	1.92	2.42	2.82	3.90	11.37
27	15.70	11.80	10.15	14.43	13.40	6.97	2.72	2.27	2.39	3.05	4.05	11.35
28	15.55	11.70	10.13	14.21	13.25	6.87	2.61	2.15	2.85	3.30	4.07	11.35
29	15.35	-----	10.15	14.29	12.90	6.85	2.61	2.44	2.65	3.37	4.17	11.25
30	15.40	-----	10.30	14.77	12.65	6.78	2.62	2.47	3.25	3.32	4.23	10.95
31	15.15	-----	10.35	-----	12.62	-----	2.65	2.80	-----	2.93	-----	10.55

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	14.38	11.17	11.60	12.65	14.37	9.95	4.07	2.24	2.68	2.48	3.47	9.14
MAX	15.97	14.85	12.79	14.77	15.35	12.90	6.70	2.80	3.25	3.42	4.23	12.00
MIN	11.40	9.49	10.04	10.50	12.62	6.78	2.61	1.83	2.10	1.63	2.33	4.19
DAYS	31	28	31	29	31	30	31	31	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

THE MEAN STAGE FOR THE YEAR WAS 8.17.

HIGHEST STAGE WAS 15.97 ON JAN 20.

LOWEST STAGE WAS 1.63 ON OCT 21.

## DAILY STAGE FOR 1991

MISSISSIPPI RIVER (IWW) AT INNER HARBOR NAVIGATION CANAL LOCK (LA.)

LOCATION. LAT. 29-57-46, LONG. 90-01-45. ON HANDRAIL OF FOREBAY WALL AT MILE 92.7 (1962 SURVEY).  
(STA. 0134007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. BANKFULL STAGE, 8.5 FEET. LOW WATER REFERENCE PLANE, 0.15 FOOT ON GAGE.  
PRIOR TO 1975 GAGE ZERO WAS MINUS 20.48 FEET, NGVD.

RECORDS AVAILABLE. STAGE, JAN. 1945 TO DATE.

EXTREMES. HIGHEST, 17.52 FEET FROM APR. 27 TO 29, 1945 AND FEB. 10 AND MAR. 4, 1950. LOWEST,  
MINUS 0.48 FOOT ON DEC. 15, 1953 AND JAN. 4, 1954. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.5	13.6	11.7	10.1	13.5	11.5	6.4	2.6	3.1	3.3	3.1	4.0
2	11.1	13.4	11.6	10.1	13.7	11.4	6.3	2.7	3.1	3.3	2.5	4.0
3	11.4	13.0	11.8	10.1	13.7	11.2	6.3	2.8	3.4	3.7	2.3	4.5
4	11.7	12.5	11.4	10.7	13.9	11.1	6.0	2.9	3.2	2.8	2.6	4.5
5	12.0	12.2	11.7	10.5	14.2	11.1	5.8	2.7	3.1	3.8	2.8	4.7
6	12.1	11.7	11.7	10.6	13.8	11.1	5.7	2.6	2.8	2.2	3.0	5.1
7	12.1	11.9	11.7	10.7	14.1	11.6	5.4	2.9	2.3	2.2	3.2	5.5
8	12.1	10.3	12.0	11.0	14.4	11.5	5.3	2.3	2.5	2.4	3.5	6.0
9	12.1	9.8	11.9	11.0	14.4	11.6	5.0	2.4	2.3	2.2	3.4	6.7
10	12.8	9.6	11.9	11.0	14.3	11.6	5.0	1.8	2.6	2.1	3.2	7.3
11	13.2	9.3	12.0	11.3	14.2	11.5	4.0	1.9	2.5	2.1	3.2	7.9
12	13.3	9.2	12.0	11.6	14.4	11.1	3.7	1.9	2.7	2.0	3.2	8.4
13	13.4	9.1	12.0	11.6	14.6	10.7	3.5	1.9	2.7	2.1	3.3	9.2
14	13.6	9.1	12.0	11.8	13.9	10.4	3.2	2.2	3.0	2.4	3.2	9.5
15	13.8	9.0	11.8	12.2	14.0	10.1	3.1	2.3	2.9	2.5	3.2	9.8
16	14.5	9.1	11.4	12.3	13.9	10.0	3.1	2.3	2.8	2.5	3.2	10.4
17	14.5	9.3	11.6	12.1	13.6	9.7	3.1	2.4	2.8	2.0	3.1	10.5
18	14.4	9.5	11.7	12.2	13.3	9.4	3.3	2.3	2.8	2.0	3.1	10.5
19	14.8	9.7	10.9	12.3	13.4	9.0	3.4	2.4	2.7	1.7	3.0	10.8
20	14.8	9.9	10.4	12.4	13.5	8.4	3.2	2.4	2.7	1.8	3.1	11.2
21	14.8	10.2	10.5	12.4	13.6	8.1	3.5	2.5	2.7	1.7	3.1	11.3
22	14.9	10.5	10.2	12.6	13.7	7.6	3.1	2.5	2.3	1.8	2.9	11.1
23	14.7	10.5	9.9	12.7	13.9	7.2	3.3	2.0	2.5	1.8	3.3	11.3
24	15.5	10.2	9.5	12.8	13.4	7.1	3.2	1.8	2.5	2.2	3.5	11.2
25	14.9	10.5	9.6	13.2	13.1	7.0	3.1	1.8	2.2	2.4	3.7	10.8
26	14.5	10.8	9.6	13.6	13.2	6.9	2.9	1.8	2.4	2.8	4.2	10.9
27	14.6	11.0	9.8	13.5	12.9	6.7	2.7	1.6	2.5	2.8	4.0	10.9
28	14.4	11.1	9.6	13.5	12.6	6.5	2.5	2.2	2.7	3.2	4.2	10.7
29	14.4	-----	10.0	13.5	12.3	6.6	2.4	2.1	3.1	3.3	4.0	10.2
30	14.4	-----	9.9	14.1	12.0	6.6	2.3	2.7	3.3	3.9	4.0	10.3
31	14.1	-----	10.0	-----	12.0	-----	2.5	2.6	-----	2.9	-----	9.9

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.5	10.6	11.0	11.9	13.6	9.5	3.9	2.3	2.7	2.5	3.3	8.7
MAX	15.5	13.6	12.0	14.1	14.6	11.6	6.4	2.9	3.4	3.9	4.2	11.3
MIN	10.5	9.0	9.5	10.1	12.0	6.5	2.3	1.6	2.2	1.7	2.3	4.0
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 7.8.

HIGHEST STAGE WAS 15.5 ON JAN 24.

LOWEST STAGE WAS 1.6 ON AUG 27.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER AT CHALMETTE, LA.

LOCATION. LAT. 29-56-42 LONG. 90-00-12 PIER ON UPSTREAM END OF AMERICAN SUGAR REFINERY WHARF, NEAR CHALMETTE SLIP, AND AT MILE 91.0 (1962 SURVEY). (STA. 0136007.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,920 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 8.0 FEET. LOW WATER REFERENCE PLANE, 0.08 FOOT ON GAGE. GAGE PRIOR TO MAY 17, 1951, WAS 0.3 MILE DOWNSTREAM. SUBTRACT 0.1 FROM DAILY STAGES FROM 1954 TO 1964. PRIOR TO 1974, GAGE ZERO WAS MINUS 2.22 FEET, NGVD.

RECORDS AVAILABLE. STAGE, OCT. 23, 1923, TO DATE.

EXTREMES. HIGHEST, 17.58 FEET ON APR. 25 AND 26, 1927. LOWEST, MINUS 0.52 FOOT ON JAN. 24 AND 26, 1940. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.29		11.08	9.63	13.24	11.13	6.13	2.42	2.81	3.10	2.98	3.86
2	10.64		11.16	9.68	13.30	10.90	6.14	2.52	2.81	3.40	2.29	3.81
3	11.09		11.33	9.96	13.37	10.74	5.97	2.52	2.92	2.84	2.35	4.15
4	11.30	F	11.86	11.09	10.09	13.43	10.69	5.75	2.63	3.20	2.47	3.00
5	11.45		11.64	11.19	10.10	13.58	10.64	5.56	2.70	3.10	2.41	4.21
6	11.56		11.03	11.20	10.21	13.49	10.70	5.50	2.52	2.82	2.29	4.89
7	11.54		10.45	11.20	10.29	13.53	11.15	5.40	2.55	2.41	2.13	5.30
8	11.51		9.80	11.38	10.50	13.79	11.20	5.12	2.20	2.10	2.05	5.73
9	11.62		9.40	11.49	10.67	13.84	11.20	4.83		2.05	1.83	6.42
10	12.13		9.14	11.50	10.69	13.87	11.14	4.42		2.27	1.90	7.00
11	12.60		8.80	11.49	10.84	13.81	10.98	4.11		2.38	1.87	7.70
12	12.57		8.78	11.46	11.10	13.77	10.58	3.70		2.50	1.93	8.20
13	12.81		8.73	11.52	11.23	13.63	10.26	3.37	1.62	2.55	1.93	
14	12.98		8.67	11.35	11.37	13.50	10.03	3.12	1.96	2.60	2.17	
15	13.32		8.68	11.14	11.69	13.41	9.74	3.00	1.99	2.73	2.28	
16	13.47		8.58	11.10	11.66	13.20	9.53	2.89	2.10	2.65	2.42	
17	13.67		8.88	11.18	11.72	13.09	9.22	2.94	2.22	2.49	2.10	
18	13.81		8.99	10.75	11.83	13.06	9.00	3.11	2.30	2.69	1.78	
19	14.33		9.21	10.37	11.95	13.08	8.70	3.11	2.20	2.52	1.61	
20	14.24		9.38	10.04	12.10	12.97	8.20	3.04	2.13	2.48	1.70	10.60
21	14.20		9.60	9.75	12.11	13.10	7.68	3.33	2.03	2.42	1.61	10.83
22	14.20		9.90	9.77	12.17	13.33	7.33	3.37	1.53	2.28	1.58	10.70
23	14.13		9.74	9.33		13.40	7.02	3.30		2.10	1.70	10.80
24	14.30		9.90	9.18		13.00	6.78	3.20		2.00	1.95	10.68
25	14.26		10.12	9.14		12.70	6.60	3.01		2.10	2.12	10.60
26	14.14		10.32	9.20		12.68	6.44	2.89		2.25	2.55	10.49
27	14.00		10.57	9.40		12.36	6.44	2.68	2.00	2.46	2.80	
28	13.97		10.61	9.32		12.08	6.30	2.50	1.71	2.46	3.00	
29	13.92			9.80	13.02	11.74	6.20	2.40	1.87	2.80	3.25	
30	13.82			9.50	13.50	11.63	6.18	2.22	2.13	3.10	3.20	9.89
31	13.50			9.64		11.42		2.34	2.49		2.79	9.52

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.95	9.71	10.55	11.17	13.11	9.09	3.82	2.19	2.52	2.29	3.11	7.61
MAX	14.33	11.86	11.52	13.50	13.87	11.20	6.14	2.70	3.20	3.40	3.90	10.83
MIN	10.29	8.58	9.14	9.63	11.42	6.18	2.22	1.53	1.91	1.58	2.29	3.81
DAYS	31	25	31	24	31	30	31	23	30	31	28	21

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 336

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.38.

HIGHEST STAGE WAS 14.39 AT 2:15 A.M. ON JAN 25.

LOWEST STAGE WAS 1.02 ON OCT 13.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER (IWW) AT ALGIERS LOCK (LA.)

LOCATION. LAT. 29-54-50, LONG. 89-58-20. ON FOREBAY LOCK WALL AT MILE 88.3 (1962 SURVEY).  
(STA. 0138004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.5 FEET. LOW WATER REFERENCE PLANE, 0.08 FOOT ON GAGE. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.22 FOOT, M.L.G.

RECORDS AVAILABLE. STAGE, MAY 1, 1956, TO DATE.

EXTREMES. HIGHEST, 16.11 FEET ON APR. 7, 1973. LOWEST, MINUS 0.15 FOOT ON JAN. 19, 1981.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.85	12.93	10.60	9.32	12.75	10.65	5.81	2.50	2.90	2.15	2.88	3.52
2	10.25	12.55	10.82	9.39	12.80	10.49	5.77	2.61	2.35	3.26	2.04	3.55
3	10.72	12.10	10.99	9.68	12.91	10.30	5.74	2.63	2.76	2.71	2.20	3.80
4	10.86	11.62	10.70	9.75	12.98	10.23	5.47	2.70	2.95	2.44	2.40	3.90
5	11.02	11.24	10.80	9.79	13.10	10.28	5.34	2.51	2.80	2.34	2.60	4.26
6	11.12	10.70	10.79	9.90	13.01	10.35	5.25	2.50	2.48	2.17	2.59	4.57
7	11.11	10.10	10.68	9.97	13.07	10.78	5.05	2.37	2.12	2.21	2.74	4.90
8	11.13	9.50	10.89	10.18	13.25	10.86	4.80	2.10	1.87	2.16	2.82	4.90
9	11.31	9.14	10.91	10.30	13.26	10.87	4.30	2.03	1.99	2.10	2.73	5.30
10	11.80	8.88	10.96	10.25	13.23	10.84	4.05		2.20	2.10	2.59	6.68
11	12.22	8.66	10.92	10.41	13.20	10.66	3.71	1.45	2.31	1.90	2.38	7.20
12	12.21	8.55	10.89	10.70	13.17	10.23	3.34	1.50	2.49	2.00	2.32	7.92
13	12.40	8.53	11.10	10.81	13.01	9.94	3.00	1.55	2.31	1.95	2.25	8.33
14	12.51	8.47	10.89	10.90	12.85	9.73	2.82	1.90	2.58	2.00	2.30	8.85
15	12.90	8.50	10.75	11.24	12.78	9.44	2.71	1.95	2.68	2.20	2.57	9.15
16	13.03	8.36	10.69	11.19	12.68	9.26	2.61	2.12	2.55	2.26	2.72	9.46
17	13.27	8.64	10.78	11.28	12.59	8.98	2.68	2.21	2.38	2.03	2.65	9.69
18	13.41	8.72	10.39	11.40	12.52	8.72	2.79	2.30	2.38	1.53	2.85	9.65
19	13.98	8.95	9.98	11.50	12.59	8.42	2.84	2.18	2.02	1.40	2.55	10.20
20	13.80	9.13	9.72	11.59	12.50	7.86	2.83	2.10	2.04	1.56	2.61	10.50
21	13.83	9.36	9.33	11.57	12.60	7.39	3.05	1.93	2.13	1.60	2.48	10.48
22	13.72	9.68	9.35	11.61	12.85	7.04	2.48	1.75	1.96	1.62	2.55	10.30
23	13.70	9.53	8.98	11.75	12.90	6.72	2.90	1.70	1.90	1.50	2.70	10.37
24	13.80	9.67	8.81	11.86	12.50	6.50	2.37	1.60	1.75	1.75	3.30	10.20
25	13.77	9.91	8.79	12.20	12.33	6.30	2.87	1.62	1.98	1.95	3.30	10.10
26	13.66	10.10	8.83	12.65	12.32	6.16	2.70	1.75	2.14	2.25	3.50	10.08
27	13.50	10.29	9.00	12.52	11.95	6.20	2.45	1.95	2.31	2.42	3.75	10.03
28	13.49	10.33	9.00	12.55	11.66	6.02	2.13	1.80	2.47	2.95	3.35	9.88
29	13.53	-----	9.47	12.58	11.42	5.93	1.98	1.91	2.10	2.92	3.62	9.76
30	13.39	-----	9.18	13.00	11.14	5.88	2.27	2.05	2.10	2.50	3.58	9.50
31	13.15	-----	9.32	-----	10.95	-----	2.50	2.45	-----	2.58	-----	9.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.53	9.79	10.14	11.06	12.61	8.77	3.50	2.06	2.31	2.15	2.76	7.94
MAX	13.98	12.93	11.10	13.00	13.26	10.87	5.81	2.70	2.95	3.26	3.75	10.50
MIN	9.85	8.36	8.79	9.32	10.95	5.88	1.98	1.45	1.75	1.40	2.04	3.52
DAYS	31	28	31	30	31	30	31	30	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 7.14.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 13.98 AT 6:00 A.M. ON JAN 19.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.06 ON OCT 23.

## DAILY STAGE FOR 1991

MISSISSIPPI RIVER NEAR BRAITHWAITE, LA.

LOCATION. LAT. 29-51-43, LONG. 89-58-21. ON DOCK OF AMAX NICKEL PLANT, LEFT BANK AT MILE 76.6 (1962 SURVEY). (STA. 0138604.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.0 FEET.

RECORDS AVAILABLE. STAGE, FEB. 26, 1977 TO DATE.

EXTREMES. HIGHEST, 12.32 FEET ON MAY 30, 1984. LOWEST, MINUS 0.40 FOOT ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1							5.47			2.96	2.92	3.45
2							5.43			3.26	2.13	3.29
3							5.36			2.72	2.15	3.60
4							5.20		F	3.22	2.41	3.63
5							5.10	2.68	3.00	2.28	2.42	3.98
6							5.09	2.49	2.69	2.13	2.53	4.21
7							4.90	2.57	2.17	2.01	2.85	4.63
8							4.71		1.87	1.99	2.97	4.99
9									1.93	1.74 F	2.33	5.57
10									2.12	1.86	2.90	6.03
11									2.22	1.82	2.72	6.58
12							F	2.22		1.93	2.80	7.04
13							F	2.06		1.88	2.74	7.49
14						8.72		1.99		2.12	2.96	7.81
15						8.46				2.18	2.90	8.14
16						8.23				2.33	2.75	8.38
17						8.00				2.03	2.64	8.55
18						7.82				1.66	2.72	8.52
19						7.55	F	2.20		1.49	2.54	8.83
20						7.14		2.45		1.64	2.57	9.36
21						6.74		2.45		1.52	2.39	9.28
22						6.55				1.49	2.67	9.13
23						6.25	3.09 F	3.21		1.68	2.77	9.26
24						6.07	3.01	1.95		1.86	2.89	9.23
25						5.92	2.80			2.01	3.12	9.13
26						5.83	2.62			2.39	3.40	9.01
27						5.81	2.40			2.68	3.53	8.99
28						5.65	2.26			3.07	3.37	8.90
29						5.53	2.16			2.99	3.44	8.61
30		-----				5.49	2.09		F 2.10	3.22	3.41	8.50
31		-----		-----						2.74	-----	8.17

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN						6.81	3.86	2.39	2.37	2.20	2.79	7.17
MAX						8.72	5.47	3.21	3.22	3.26	3.53	9.36
MIN						5.49	2.09	1.95	1.87	1.49	2.13	3.29
DAYS	0	0	0	0	0	17	16	11	9	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 145

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.13.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS 0.94 ON OCT 12.

## DAILY STAGE FOR 1991

MISSISSIPPI RIVER AT ALLIANCE, LA.

LOCATION. LAT. 29-41-07. LONG. 89-58-11. ON UPSTREAM END OF COKE DOCK OF GULF REFINERY, RIGHT BANK AT MILE 62.5 (1962 SURVEY). (STA. 0139004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.0 FEET.

RECORDS AVAILABLE. STAGE, APR. 2, 1977 TO DATE.

EXTREMES. HIGHEST, 10.33 FEET ON APR. 22, 1979. LOWEST, MINUS 0.21 FOOT ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		9.32		7.06	9.26	7.95	4.65	2.16	2.74	2.90	2.57	2.87
2		9.07		7.03	9.27	7.82	4.62	2.26	2.72	3.21	2.07	2.71
3		8.75		7.26	9.30	7.70	4.56	2.32	2.87	2.66	1.87	2.90
4		8.46		7.51	9.35	7.67	4.45	2.46	3.08	2.37	1.91	2.84
5		8.33			9.33	7.63	4.28	2.57	2.98	2.25	1.90	3.10
6		7.90 F	7.85		9.37	7.73	4.27	2.48	2.68	2.12	1.88	3.32
7		7.47	7.81		9.46	8.18	4.19	2.53	2.22	1.83	2.17	3.67
8		7.02	7.93		9.71	8.25	4.05	2.38	1.88	1.71	2.37	4.01
9		6.72	7.94		9.70	8.28	3.85	2.16	1.85	1.45	2.37 F	4.35
10		6.51	7.93		9.69	8.26	3.57	1.80	1.93	1.49	2.28 F	4.90
11		6.26	7.88		9.63	8.09	3.30	1.50	1.95	1.50	2.20 F	5.59
12		6.20	7.89		9.62	7.76	2.93	1.42	2.16	1.54	2.32	5.83
13		6.27	7.96		9.60	7.49	2.60	1.48	2.20	1.59	2.32	6.23
14 F	8.82	6.27	7.85		9.43	7.32	2.44	1.72	2.33	1.84	2.56	6.47
15	9.18	6.23	7.80	8.61	9.35	7.07	2.29	1.76	2.47	2.02	2.52	6.76
16	9.25	6.12	7.89	8.46	9.19	6.92	2.28	1.90	2.42	2.20	2.39	6.87
17	9.41	6.41	8.08	8.45	9.12	6.72	2.35	2.07	2.28	1.92	2.30	6.94
18	9.50	6.52	7.64	8.44	9.07	6.57	2.51	2.18	2.50	1.60	2.30	6.89
19	9.98	6.74	7.34	8.43	9.18	6.41	2.55	2.10	2.35	1.45	2.08	7.18
20	9.84	6.75	7.13	8.54	9.13	6.07	2.54	2.15	2.33	1.55	2.13	7.59
21	9.74	6.82	6.92	8.46	9.29	5.77	2.82	2.01	2.25	1.42	1.75	7.52
22	9.75	6.98	7.02	8.57	9.64	5.56	2.82	1.99	2.08	1.32	1.97	7.44
23	9.73	6.76	6.63	8.66	9.73	5.32	2.78	1.95	1.84	1.35	1.99	7.56
24	9.90	6.96	6.50	8.74	9.36	5.15	2.70	1.92	1.67	1.45	2.12	7.57
25	9.82	7.07	6.56	9.00	9.09	5.00	2.53	1.77	1.65	1.60	2.36	7.53
26	9.70	7.18	6.63 F	9.32	9.10	4.86	2.37	1.56	1.78	1.93	2.71	7.50
27	9.65	7.40	6.86	9.20	8.80	4.92	2.15	1.80	1.85	2.25	2.91	7.58
28	9.65		6.83	9.19	8.60	4.73	2.00	1.52	2.00	2.75	2.85	7.37
29	9.62	-----	7.27	9.17	8.41	4.69	1.92	1.69	2.34	2.85	2.93	7.15
30	9.70	-----	7.03	9.69	8.31	4.65	1.89	1.98	2.82	3.10	2.87	7.00
31	9.42	-----	7.08	-----	8.24	-----	2.10	2.40	-----	2.64	-----	6.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.59	7.13	7.39	8.49	9.24	6.68	3.04	2.00	2.27	2.00	2.30	5.87
MAX	9.98	9.32	8.08	9.69	9.73	8.28	4.65	2.57	3.08	3.21	2.93	7.59
MIN	8.82	6.12	6.50	7.03	8.24	4.65	1.89	1.42	1.65	1.32	1.75	2.71
DAYS	18	27	26	20	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 336

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 5.21.

HIGHEST STAGE WAS 10.12 AT 6:30 P.M. ON MAY 22.

LOWEST STAGE WAS 0.78 ON OCT 12.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER AT WEST POINTE A LA MACHE, LA.

LOCATION. LAT. 29-34-16, LONG. 89-47-49. ON RIGHT BANK AT PLAQUEMINES PARISH WATER INTAKE, AT MILE 48.7 (1962 SURVEY). (STA. 0140004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,940 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 3.0 FEET. LOW WATER REFERENCE PLANE, 0.06 FOOT ON GAGE. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.06 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, FEB. 24, 1926, TO DATE. DISCHARGE, 1927, 1929, AND 1943.

EXTREMES. HIGHEST, 15.25 FEET (NEAR CREST OF HURRICANE) ON SEP. 9, 1965. LOWEST, MINUS 1.06 FEET ON JAN. 24 AND 25, 1940. EXTREME STAGES HAVE BEEN ADJUSTED TO NGVD. MAXIMUM, 1,360,000 CFS OBSERVED ABOVE RELIEF OUTLET ON APR. 29, 1927 (STAGE, 9.64 NGVD). ON THE SAME DAY, 1,058,000 CFS WAS OBSERVED BELOW THE OUTLET. THE RELIEF OUTLET, ON THE EAST BANK, EXTENDED FROM ABOUT MILE 33 TO MILE 44. FLOW WAS AFFECTED BY A CREVASSE WHICH OCCURRED ON APR. 23 AT JUNIOR, LA. (MILE 54), AND BY AN ARTIFICIAL CREVASSE MADE ON APR. 29 AT CAERNARVON, LA. (MILE 81.6).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.85	7.80		5.81	7.78	6.79	4.27	1.94	2.40	2.75	2.50	2.59
2	6.15	7.57		5.78	7.75	6.63	4.16	2.00	2.52	3.04	2.00	2.35
3	6.45	7.31		6.04	7.74	6.52	3.99	2.05	2.71	2.71	1.73	2.55
4		7.11		6.15	7.83	6.49	3.91	2.23	3.00	2.29	1.70	2.42
5		7.01		6.13	7.78	6.45	3.78	2.36	2.88	2.13	1.58	2.69
6	F 6.93	6.67 F	6.70	6.19	7.83	6.60	3.75	2.35	2.62	2.10	1.55	2.85
7	6.71	6.30	6.57	6.20	7.94	7.07	3.74	2.39	2.14	1.70	1.82	3.18
8	6.71	5.85	6.70	6.32	8.13	7.15	3.64	2.30	1.84	1.55	2.05	3.50
9	6.69	5.60	6.71	6.41	8.15	7.21	3.47	2.15	1.72	1.27	2.07	3.98
10	7.11	5.45	6.67	6.42	8.13	7.21	3.25	1.80	1.80	1.29	1.96	4.27
11	7.52	5.28	6.62	6.64	8.10	7.05	3.05	1.40	1.80	1.27	1.97	4.67
12	7.30	5.18	6.63	6.85	8.09	6.77	2.70	1.26	1.93	1.30	2.10	5.00
13	7.40	5.26	6.77	6.92	8.10	6.47	2.43	1.25	1.97	1.39	2.10	5.36
14	7.45	5.25	6.65	7.04	8.00	6.31	2.20	1.55	2.13	1.65	2.35	5.49
15	7.72	5.23	6.64	7.26	7.95	6.14	2.10	1.60	2.27	1.87	2.33	5.70
16	7.73	5.11	6.75	7.14	7.79	5.98	1.98	1.70	2.28	2.06	2.21	5.78
17	7.87	5.40	6.83	7.07	7.65	5.80	2.13	1.92	2.15	1.83	2.11	5.84
18	7.93	5.52	6.56	7.07	7.61	5.67	2.23	1.99	2.40	1.50	2.02	5.80
19	8.38	5.73	6.27	7.01	7.67	5.62	2.32	1.96	2.34	1.39	1.88	6.04
20	8.23	5.71	6.13	7.08	7.65	5.35	2.32	2.00	2.32	1.49	1.90	6.42
21	8.12	5.71	5.90	7.03	7.83	5.11	2.59	1.86	2.22	1.37	1.48	6.39
22	8.09	5.85	5.99	7.09	8.30	4.96	2.61	1.86	2.07	1.24	1.67	6.28
23	8.07	5.60	5.60	7.19	8.30	4.77	2.57	1.86	1.82	1.25	1.65	6.46
24	8.27	5.76	5.42	7.32	8.00	4.65	2.55	1.81	1.56	1.36	1.75	6.44
25	8.19	5.87	5.45	7.61	7.83	4.58	2.35	1.73	1.48	1.50	2.03	6.43
26	8.10	6.00	5.50	7.90	7.80	4.47	2.20	1.46	1.56	1.80	2.39	6.38
27	8.05	6.17	5.67	7.85	7.55	4.53	2.05	1.65	1.65	2.15	2.62	6.47
28	8.11	6.29	5.68	7.90	7.40	4.30	1.87	1.31	1.83	2.60	2.57	6.28
29	8.05	-----	6.15	7.85	7.20	4.30	1.76	1.50	2.18	2.68	2.65	6.05
30	8.14	-----	5.82	8.25	7.13	4.24	1.70	1.75	2.68	2.94	2.57	5.91
31	7.88	-----	5.87	-----	7.05	-----	1.87	2.13	-----	2.56	-----	5.61

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.56	5.99	6.24	6.92	7.81	5.84	2.76	1.84	2.14	1.87	2.04	5.01
MAX	8.38	7.80	6.83	8.25	8.30	7.21	4.27	2.39	3.00	3.04	2.65	6.47
MIN	5.85	5.11	5.42	5.78	7.05	4.24	1.70	1.25	1.48	1.24	1.48	2.35
DAYS	29	28	26	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.62.

HIGHEST STAGE WAS 8.65 AT 5:30 P.M. ON MAY 22.

LOWEST STAGE WAS 0.55 ON AUG 7.

## DAILY STAGE FOR 1991

MISSISSIPPI RIVER AT PORT SULPHUR, LA.

LOCATION. LAT. 29-28-38, LONG. 89-41-22. MILE 39.3 (1962 SURVEY), ON RIGHT BANK AT FREEPORT SULPHUR COMPANY. (STA. 0142004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 3.0 FEET. PRIOR TO 1977 STAGES WERE PUBLISHED AS RECEIVED FROM FREEPORT SULPHUR COMPANY.

RECORDS AVAILABLE. STAGE, NOV. 22, 1933, TO OCT. 10, 1937, NOV. 10 TO 19, 1939, AND AUG. 1, 1940, TO DATE.

EXTREMES. (FROM 1941 TO DATE) HIGHEST, 9.50 FEET ON MAR. 4 AND LATER DATES IN 1950. LOWEST, MINUS 0.60 FOOT ON JAN. 19, 1977.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.98	6.88	5.68	5.14	6.81	6.01	3.89	1.99	2.46 F	2.19	2.56	2.49
2	5.23	6.61	5.89	5.09	6.71	5.86	3.82	2.06	2.54	3.11	2.80	2.20
3	5.55	6.40	6.04	5.36	6.74	5.76	3.78	2.05	2.76	2.60	2.29	2.42
4	5.74	6.22	5.61	5.39	6.80	5.69	3.72	2.27	3.08	2.23	2.69	2.85
5	5.91	6.18	5.70	5.42	6.80	5.70	3.60	2.44	2.95	2.08		2.84
6	6.04	5.82	5.71	5.44	6.80	5.88	3.59	2.44	2.67	2.07		2.72
7	5.95	5.47	5.68	5.49	6.88	6.30	3.60	2.51	2.18	1.66		2.83
8	5.91	5.09	5.85	5.52	7.12	6.33	3.53	2.46	1.82	1.50		3.10
9	5.83	4.85	5.79	5.64	7.11	6.47	3.41	2.37	1.75	1.16		3.58
10	6.29	4.69	5.72	5.65	7.18	6.53	3.17	1.97	1.81	1.15		3.88
11	6.62	4.54	5.70	5.86	7.13	6.40	2.99	1.52	1.82			4.23
12	6.30	4.50	5.73	6.11	7.10	6.17	2.69	1.37	1.98			4.54
13	6.42	4.60	5.91	6.17	7.11	5.88	2.39	1.33	2.04		2.00	4.88
14	6.46	4.53	5.74	6.29	7.00	5.73	2.24	1.61	2.19		2.27	4.94
15	6.72	4.49	5.77	6.47	7.08	5.53	2.13	1.63	2.37		2.26	5.80
16	6.79	4.43	5.85	6.39	6.93	5.38	2.05	1.75	2.37		2.17	5.54
17	6.86	4.73	6.04	6.25	6.79	5.23	2.21	1.97	2.25		2.08	5.41
18	6.94	4.93	5.75	6.25	6.76	5.12	2.30	2.07	2.50		1.93	5.37
19	7.43	5.11	5.55	6.14	6.84	5.07	2.38	2.07	2.40		1.84	5.44
20	7.22	5.10	5.42	6.24	6.81	4.83	2.41	2.13	2.38		1.80	5.68
21	7.14	5.06	5.22	6.17	6.96	4.65	2.69	1.98	2.27		1.36	5.45
22	7.13	5.16	5.28	6.26	7.38	4.55	2.69	1.97	2.17		1.61	5.40
23	7.08	4.87	4.96	6.39	7.42	4.40	2.64	1.95	1.86		1.56	5.53
24	7.31	5.04	4.75	6.55	7.14	4.27	2.63	1.90			2.23	5.51
25	7.20	5.10	4.78	6.84	6.99	4.23	2.45	1.82			2.28	5.68
26	7.08	5.06	4.83	7.09	7.00	4.15	2.32	1.60			2.44	5.51
27	7.07	5.32	5.01	7.06	6.72	4.14	2.12	1.72			2.42	5.59
28		5.47	5.00	7.13	6.58	3.93	1.98	1.35			2.48	5.37
29		-----	5.51	7.03	6.41	3.88	1.89	1.53		2.43	2.56	5.17
30	7.11	-----	5.20		6.34	3.88	1.81	1.78		2.82	2.47	5.19
31	6.93	-----	5.17	-----	6.26	-----	1.95	2.09	-----	2.58	-----	4.96

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.53	5.22	5.51	6.10	6.89	5.26	2.74	1.93	2.29	2.12	2.19	4.52
MAX	7.43	6.88	6.04	7.13	7.42	6.53	3.89	2.51	3.08	3.11	2.80	5.80
MIN	4.98	4.43	4.75	5.09	6.26	3.88	1.81	1.33	1.75	1.15	1.36	2.20
DAYS	29	28	31	29	31	30	31	31	23	13	22	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 329

NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.46.

HIGHEST STAGE WAS 7.76 AT 2:00 P.M. ON MAY 22.

LOWEST STAGE WAS 0.63 ON AUG 7.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER AT EMPIRE, LA.

LOCATION. LAT. 29-23-25, LONG. 89-35-45. AT ENTRANCE TO EMPIRE LOCK AT MILE 29.5 (1962 SURVEY).  
(STA. 0144004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,960 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.21 FOOT ON GAGE.

RECORDS AVAILABLE. JAN. 1, 1960 TO AUG. 17, 1969 AND JUL. 9, 1970 TO DATE.

EXTREMES. HIGHEST, 10.92 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 1.23 FEET ON JAN. 19, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.13	5.81	4.94	4.37	5.87	5.05	3.32					
2	4.40	5.64	5.10	4.40	5.78	4.95	3.24					
3	4.75	5.47	5.24	4.58	5.76	4.87	T					
4	4.94	5.32	4.87	4.64	5.79	4.82						
5	5.07	5.32	4.92	4.59	5.83	4.78						
6	5.17	4.98	4.97	4.61	5.74	4.84						
7	5.07	4.66	4.90	4.65	5.85	5.08						
8	5.10	4.30	5.04	4.67	5.99	5.29						
9	5.09	4.09	5.01	4.80	6.05	5.46						
10	5.38	3.94	4.93	4.80	6.09	5.55						
11	5.70	3.80	4.85	5.00	6.05	5.49						
12	5.38	4.07	4.90	5.20	6.05	5.25					F	3.58
13	5.44	4.00	5.01	5.25	6.12	5.00						3.88
14	5.46	4.09	4.92	5.42	6.08	4.84						3.90
15	5.65	4.14	4.99	5.62	6.05	4.64						4.20
16	5.67	4.33	5.14	5.54	5.90	4.46						4.17
17	5.73	4.08	5.36	5.38	5.74	4.35						4.20
18	5.78	4.04	5.08	5.35	5.70	4.25						4.03
19	6.20	4.23	4.87	5.19	5.75	4.25						4.30
20	6.00	4.20	4.72	5.23	5.71	4.07						4.57
21	5.94	4.22	4.51	5.16	5.91	3.95						4.43
22	5.94	4.30	4.56	5.20	6.40	3.88						4.37
23	5.93	4.05	4.21	5.31	6.40	3.75						4.57
24	6.11	4.14	4.00	5.44	6.10	3.73						4.66
25	6.05	4.20	4.00	5.80	5.99	3.70						4.68
26	5.93	4.27	4.05	5.97	6.00	3.64						4.70
27	5.90	4.45	4.22	5.90	5.76	3.67						4.84
28	5.94	4.61	4.23	6.01	5.64	3.35						4.62
29	5.94	-----	4.76	5.95	5.47	3.36						4.42
30	6.00	-----	4.50	6.23	5.45	3.32						4.30
31	5.84	-----	4.44	-----	5.30	-----			-----		-----	3.95

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.54	4.46	4.75	5.21	5.88	4.45	3.28					4.32
MAX	6.20	5.81	5.36	6.23	6.40	5.55	3.32					4.84
MIN	4.13	3.80	4.00	4.37	5.30	3.32	3.24					3.58
DAYS	31	28	31	30	31	30	2	0	0	0	0	20

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 203  
F=NOT AT STATED TIME T=TEMPORARILY INOPERATIVE  
THE MEAN STAGE FOR THE YEAR WAS 4.97.  
HIGHEST STAGE WAS 6.70 AT 1:00 P.M. ON MAY 22.  
LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER AT VENICE, LA.

LOCATION. LAT. 29-16-33, LONG. 89-21-10. ON RIGHT BANK AT MILE 10.7 (1962 SURVEY).  
(STA. 0148004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.36 FOOT ON GAGE.

RECORDS AVAILABLE. STAGE, FEB. 1944 TO DATE.

EXTREMES. HIGHEST, 9.11 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 0.77 FOOT ON DEC. 25, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.57	3.65	3.24	2.89	3.97	3.56	2.48	1.68	2.00	2.45	2.47	1.76
2	2.70	3.58	3.41	2.85	3.81	3.52	2.41	1.76	2.15	2.75	2.01	1.52
3	2.97	3.46	3.59	3.07	3.83	3.42	2.41	1.78	2.46	2.48	1.65	1.52
4	3.13	3.43	3.21	3.06	3.85	3.31	2.40	1.95	2.86	2.25	1.47	1.18
5	3.18	3.47	3.20	3.02	3.81	3.25	2.39	2.10	2.84	2.15	1.28	1.29
6	3.21	3.25	3.30	2.97	3.77	3.46	2.47	2.23	2.64	1.93	1.16	1.28
7	3.16	3.01	3.16	3.01	3.78	3.75	2.50	2.30	2.10	1.48	1.25	1.52
8	3.12	2.80	3.27	3.07	3.95	3.92	2.55	2.34	1.90	1.39	1.30	1.68
9	3.10	2.65	3.23	3.16	4.02	4.00	2.65	2.27	1.74	1.13	1.30	1.97
10	3.26	2.53	3.15	3.15	4.12	4.17	2.62	1.97	1.67	1.08	1.12	2.09
11	3.41	2.45	3.08	3.32	4.07	4.07	2.56	1.45	1.56	1.05	1.18	2.25
12	3.37	2.40	3.13	3.51	4.12	3.88	2.40	1.25	1.66	1.12	1.34	2.40
13		2.48	3.28	3.58	4.21	3.56	2.30	1.18	1.68	1.23	1.51	2.67
14	F 3.42	2.52	3.23	3.71	4.18	3.46	2.04	1.31	1.84	1.48	1.80	2.56
15	3.62	2.48	3.30	3.95	4.24	3.27	1.89	1.26	2.00	1.75	1.80	2.80
16	3.63	2.28	3.41	3.80 F	3.83	3.15	1.69	1.49	2.07	1.77	1.77	2.68
17	3.65	2.57	3.60	3.65 F	3.66	3.05	1.83	1.71	2.02	1.68	1.74	2.65
18	3.69	2.72	3.50	3.65	3.84	2.96	1.85	1.64	2.30	1.49	1.62	2.50
19	4.04	2.87	3.33	3.53 F	3.70	2.97	2.04	1.72	2.28	1.43	1.55	2.65
20	3.90	2.80	3.24	3.52	3.81	2.83	2.07	1.92	2.16	1.52	1.54	2.92
21	3.81	2.68	3.10	3.43	4.01	2.80	2.32	1.87	2.15	1.47	0.90	2.92
22	3.75	2.75	3.18	3.50	4.42	2.81	2.31	1.87	2.15	1.23	0.95	2.79
23	3.75	2.60	2.81	3.81	4.55	2.78	2.35	1.88	1.84	1.19	0.80	2.97
24	3.86	2.62	2.61	3.92	4.30	2.76	2.39	1.84	1.52	1.17	0.81	3.02
25	3.81	2.65	2.66	4.22	4.23	2.78	2.29	1.87	1.43	1.22	1.07	3.08
26	3.71	2.69	2.67	4.41	4.35	2.85	2.14	1.54	1.29	1.27	1.40	3.06
27	3.71	2.80	2.83	4.36	4.07	2.85	1.98	1.78	1.31	1.58	1.68	3.17
28	3.75	3.02	2.83	4.54	4.00	2.45	1.80	1.30	1.45	1.95	1.67	3.05
29	3.70	-----	3.38	4.44	3.80	2.48	1.67	1.28	1.74	2.15	1.85	2.88
30	3.74	-----	3.04	4.34	3.80	2.45	1.54	1.40	2.22	2.50	1.72	2.77
31	3.64	-----	2.95	-----	3.75	-----	1.65	1.82	-----	2.40	-----	2.52

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.48	2.83	3.16	3.58	4.00	3.22	2.19	1.73	1.97	1.67	1.46	2.39
MAX	4.04	3.65	3.60	4.34	4.55	4.17	2.65	2.34	2.86	2.75	2.47	3.17
MIN	2.57	2.28	2.61	2.85	3.66	2.45	1.54	1.18	1.29	1.05	0.80	1.18
DAYS	30	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.64.

HIGHEST STAGE WAS 4.65 AT 1:00 P.M. ON MAY 22.

LOWEST STAGE WAS 0.43 ON AUG 7.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER AT HEAD OF PASSES (LA.)

LOCATION. LAT. 29-08-35, LONG. 89-15-03. ON RIGHT BANK AT HEAD OF SOUTH PASS, 0.6 MILE DOWNSTREAM FROM ZERO MILE POINT. (STA. 0154504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,970 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.36 FOOT ON GAGE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD.

RECORDS AVAILABLE. STAGE, NOV. 1875, TO SEP. 16, 1947, AND MAR. 31, 1948, TO DATE. DISCHARGE, INTERMITTENTLY FROM 1838 TO DATE.

EXTREMES. (SINCE JULY, 1930) HIGHEST, 12.03 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 0.87 FOOT ON DEC. 25, 1969.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.80	2.96 F	2.85	2.48	3.59	2.85		F 0.79			2.00	1.48
2	1.91 F	2.96	2.68	2.46	3.39	2.75		1.80			1.75	1.35
3	2.11 F	2.76		2.63	3.27	2.66		F 1.20 F	1.31		1.37 F	1.15
4	2.38	2.82	2.58	2.50	3.27	2.57		2.50			1.25	
5	2.58	2.84 F	2.37	2.40	3.25	2.48					1.03	
6	2.63	2.67	2.55	2.42	3.16	2.69			2.35		0.83	
7	2.57	2.46 F	2.58 F	2.40	3.25	3.03		F 1.37	1.25		0.88	
8	2.54	2.17	2.61	2.45	3.36	3.20	F 1.95 F	1.70	1.12		0.88	
9	2.57	1.92	2.57	2.47	3.45	3.30		2.00	1.58	0.85	0.77	
10	2.85	1.84	2.45	2.40	3.55	3.48 F	1.00 F	1.41	1.48	0.79	0.67	
11	2.90	1.70	2.37	2.63	3.50	3.38 F	1.70	1.17	1.27	0.65	0.76	
12	F 2.82	1.58	2.46	2.82	3.51	3.32	2.05 F	0.85	1.26	0.70	0.89	
13	2.62	1.69	2.56	2.97	3.70	3.07		0.85	1.27	0.78	1.00	
14	2.63	1.73	2.50	3.14	3.67 F	2.87	F 0.83	1.38	1.08	1.37		
15	2.95	1.67	2.63	3.43	3.72	2.75		0.95	1.49	1.31	1.41	
16	2.75	1.47	2.76	3.29	3.60	2.48	F 0.68	1.57 F	1.31	1.47		
17	2.78		3.10	3.15	3.36	2.32		1.28	1.55	1.31	1.51	
18	2.85		3.00	3.20	3.30	2.14	F 1.65	1.92	1.11	1.40		
19	3.25		2.84	2.95	3.30	2.17	F 0.88	1.95	1.11	1.43 F	2.65	
20	3.11 F	1.84	2.85	2.88	3.23	2.00		1.52	2.01	1.20	1.20	
21	3.03	2.10	2.68	2.78	3.37	2.01	F 0.75	1.91	1.19	0.70		
22	3.05 F	1.85	2.74	2.85	3.90	2.07		1.51	1.91	1.00	0.63	
23	3.02 F	1.83	2.33	2.93	3.89 F	2.16	F 0.82	1.62	0.95	0.35		
24	3.18 F	1.85	2.05	2.97 F	3.65	2.13		1.56	1.32	0.85	0.18	
25	3.12 F	1.82	2.15	3.33	3.60		F 1.17	1.20	0.93	0.22		
26	2.96	1.92	2.13	3.55	3.67			1.25	1.05	0.94	0.59	
27	2.90	2.02	2.21	3.47	3.43		F 1.24	0.95	1.16	0.91		
28	3.00	2.26 F	2.23	3.66	3.36			0.95	1.09	1.55	1.07	
29	2.91	-----	2.75	3.61	3.12			0.97	1.30	1.57	1.43	
30	3.01	-----	2.55	3.75	3.17			1.05 F	1.29	2.03	1.38	
31	F 2.96	-----	2.50	-----	3.14	-----		1.40	-----	2.00	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.77	2.11	2.55	2.93	3.44	2.66	1.58	1.20	1.52	1.16	1.04	1.66
MAX	3.25	2.96	3.10	3.75	3.90	3.48	2.05	2.00	2.50	2.03	2.00	2.65
MIN	1.80	1.47	2.05	2.40	3.12	2.00	1.00	0.68	0.79	0.65	0.18	1.15
DAYS	31	25	30	30	31	24	3	24	29	26	30	4

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 287

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.16.

HIGHEST STAGE WAS 4.10 AT 1:20 P.M. ON MAY 22.

LOWEST STAGE WAS 0.10 ON NOV 25.

## DAILY STAGE FOR 1991

## SOUTHWEST PASS AT MILE 9.2 (LA.)

LOCATION. LAT. 29-01-40, LONG. 89-20-10. ON LEFT BANK AT CHEVRON OIL COMPANY DOCK, 9.1 MILES BELOW HEAD OF PASSES. (STA. 0157504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT.

RECORDS AVAILABLE. NOV. 1971 TO DATE.

EXTREMES. HIGHEST, 4.94 FEET (AFFECTED BY WIND) ON APR. 26, 1973. LOWEST, MINUS 1.03 FEET ON JAN. 19, 1977.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.60	2.65	2.48	2.41	4.00	3.50	3.04	2.12	2.37	2.85	3.03	2.30
2	1.76	2.76	2.81	2.41	3.77	3.39	2.84	2.02	2.51	3.20	2.77	2.09
3	1.96	2.72	3.11	2.58	3.73	3.29	2.75	1.91	2.80	2.99	2.41	1.97
4	2.39	2.87	2.54	2.60	3.57	3.08	2.75	2.03	3.37	2.93	2.06	1.33
5	2.73	2.97	2.43	2.92	3.51	2.96	2.66	2.32	3.48	2.92	1.93	0.80
6	2.80	2.84	2.52	2.80	3.38	3.12	2.66	2.37	3.37	2.81	1.68	1.08
7	2.78	2.54	2.46	2.86	3.37	3.51	2.97	2.52	2.93	2.26	1.65	1.40
8	2.61	2.20	2.33	2.78	3.49	3.80	3.11	2.85	2.68	2.02	1.47	1.32
9	2.63	2.00	2.38	2.79	3.65	4.02	3.32	2.87	2.52	1.71	1.52	1.65
10	2.91	1.86	2.09	2.72	3.80	4.26	3.39	2.58	2.47	1.67	1.39	1.73
11	2.91	1.80	2.10	2.98	3.73	4.25	3.47	2.12	2.11	1.55	1.48	1.98
12	2.35	1.63	2.13	3.20	3.84	4.12	3.36	1.84	2.19	1.56	1.66	2.12
13	2.31	1.68	2.42	3.40	4.15	3.98	3.14	1.70	2.11	1.58	1.81	2.49
14	2.27	1.69	2.39	3.67	4.26	3.89	2.82	1.62	2.23	1.84	2.23	2.22
15	2.90	1.86	2.53	3.99	4.34	3.57	2.47	1.57	2.36	2.20	2.30	2.45
16	2.38	1.59	2.86	3.90	4.17	3.27	2.19	1.77	2.50	2.27	2.41	2.32
17	2.37	2.10	3.21	3.79	3.85	3.02	2.26	2.04	2.38	2.26	2.49	2.38
18	2.55	2.53	3.26	3.79	3.83	2.80	2.20	2.13	2.87	2.08	2.41	1.88
19	3.09	2.69	2.97	3.48	3.73	2.90	2.36	2.00	2.97	2.10	2.34	1.90
20	3.04	2.55	2.85	3.35	3.54	2.71	2.37	2.33	3.02	2.01	2.14	2.16
21	2.86	2.42	2.72	3.08	3.72	2.79	2.68	2.38	2.98	2.33	1.47	2.00
22	2.86	2.40	2.77	3.09	4.36	2.96	2.81	2.41	2.95	2.09	1.34	1.85
23	2.84	2.06	2.27	3.09	4.34	3.15	2.88	2.50	2.75	2.00	0.95	2.08
24	3.02	2.03	1.89	3.17	4.10	3.10	2.96	2.51	2.41	1.77	0.74	2.16
25	3.01	1.98	2.04	3.58	4.08	3.20	2.85	2.57	2.26	1.83	0.82	2.35
26	2.58	1.87	2.01	3.96	4.32	3.29	2.83	2.27	1.82	1.82	1.30	2.54
27	2.53	1.72	2.21	3.92	3.94	3.42	2.63	2.27	1.80	2.01	1.71	2.88
28	2.64	2.32	2.25	4.03	3.98	3.10	2.46	1.90	1.89	2.38	1.91	2.69
29	2.44	-----	3.01	4.11	3.85	3.16	2.37	1.79	2.06	2.44	2.29	2.30
30	2.68	-----	2.58	4.08	3.94	3.10	2.18	2.00	2.63	2.94	2.23	2.36
31	2.47	-----	2.60	-----	3.77	-----	2.13	2.15	-----	2.96	-----	1.97

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.59	2.23	2.53	3.29	3.87	3.36	2.74	2.18	2.56	2.24	1.86	2.02
MAX	3.09	2.97	3.26	4.11	4.36	4.26	3.47	2.87	3.48	3.20	3.03	2.88
MIN	1.60	1.59	1.89	2.41	3.37	2.71	2.13	1.57	1.80	1.55	0.74	0.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.62.

HIGHEST STAGE WAS 4.43 AT 5:00 A.M. MAY 23.

LOWEST STAGE WAS 0.69 ON NOV 24.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER (SOUTHWEST PASS) AT EAST JETTY (LA.)

LOCATION. LAT. 28-55-38, LONG. 89-29-12. ON RIGHT BANK AT PILOTS STATION, ABOUT 18.2 MILES BELOW HEAD OF PASSES. (STA. 0167004 INSET.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. PRIOR TO MAY 24, 1975, GAGE WAS LOCATED ON THE LEFT BANK APPROXIMATELY 1.4 MILES DOWNSTREAM FROM PRESENT LOCATION.

RECORDS AVAILABLE. 1926 TO NOV. 5, 1973, AND MAY 24, 1975 TO DATE.

EXTREMES. HIGHEST, 5.59 FEET (CAUSED BY HURRICANE) ON OCT. 27, 1985. LOWEST, MINUS 1.60 FEET ON JAN. 25, 1940.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.58	1.64	1.78	2.08	3.39	3.02	2.75		1.97	2.34	2.51	1.91
2	0.71	1.81	2.07	2.20	3.09	2.89	2.50		1.98	2.56	3.11	1.76
3	0.85	1.77	2.65	2.37	3.11	2.71	2.32		2.29	2.57	2.75	1.51
4	1.49	1.99	2.13	2.44	2.99	2.49	2.14		2.91	2.32	2.91	1.63
5	1.76	2.08	2.02	2.39	2.87	2.25	2.11		3.05	2.45	2.35	1.41
6	1.80	2.01	2.08	2.21	2.59	2.39	2.16		3.07	2.44	1.53	0.77
7	1.78	1.70	2.08	2.24	2.61	2.86	2.27		2.71	2.01	1.23	0.84
8	1.50	1.35	2.22	2.12	2.76	3.12	2.48	2.87	2.50	1.72	0.95	0.75
9	1.69	1.07	1.91	2.13	2.81	3.37	2.68	2.91	2.30	1.48	2.07	1.02
10	1.93	1.07	1.59	2.00	2.95	3.62	2.92	2.59	2.26	1.26	1.22	1.09
11	2.02	0.90	1.61	2.16	2.84	3.73	3.13	2.08	1.90	1.02	1.05	1.17
12	1.26	0.83	1.56	2.29	2.91	3.78	2.91	1.77	1.70	0.91	1.30	1.42
13	1.61	1.10	1.70	2.69	3.30	3.64	2.75	1.52	1.64	0.98	1.33	1.78
14	1.28	0.98	1.65	2.98	3.48	3.54	2.42	1.66	1.85	1.33	1.79	1.45
15	1.36	1.06	1.86	3.36	3.58	3.31	2.16	1.53	1.86	1.52	1.88	2.38
16	1.09	1.29	2.39	3.36	3.54	2.90	1.85	1.62	1.91	1.72	1.96	2.23
17	1.02	1.47	2.66	3.17	3.37	2.58	1.82	1.92	1.98	1.76	2.11	2.12
18	1.06	1.87	2.80	3.25	3.33	2.27	1.75	1.97	2.34	1.65	2.11	1.49
19	1.85	2.07	2.65	2.98	3.16	2.34	1.94	2.05	2.33	1.85	2.03	1.45
20	1.94	1.95	2.72	2.81	2.93	2.02	1.97	2.15	2.66	1.97	1.61	1.34
21	1.70	1.78	2.59	2.47	3.05	2.17	2.36	2.27	2.51	2.06	1.18	1.03
22	2.06	1.72	2.68	2.42	3.71	2.31	2.53	2.35	2.53	1.83	1.00	0.91
23	1.80	1.35	2.04	2.38	3.52	2.50	2.61	2.38	2.41	1.78	0.62	1.14
24	1.89	1.26	1.62	2.52	3.22	2.46	2.74	2.50	1.98	1.54	1.01	1.16
25	2.01	1.19	1.65	2.77	3.27	2.54	2.66	2.45	1.70	1.61	0.84	1.74
26	1.39	0.97	1.67	3.03	3.63	2.93	2.62	2.13	1.54	1.44	1.17	1.76
27	1.33	1.04	1.84	3.14	3.05	2.98	2.53	2.18	1.38	1.64	1.33	2.02
28	1.45	1.51	1.71	3.24	3.27	2.71	2.38	1.45	1.42	1.94	1.48	1.99
29	1.16	-----	2.57	3.38	3.15	2.85		1.56	1.58	2.01	1.71	2.13
30	1.43	-----	2.23	3.52	3.44	2.77		1.63	2.03	2.49	1.86	2.14
31	1.20	-----	1.94	-----	3.28	-----		1.83	-----	2.57	-----	1.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.48	1.46	2.09	2.67	3.17	2.84	2.41	2.06	2.14	1.83	1.67	1.52
MAX	2.06	2.08	2.80	3.52	3.71	3.78	3.13	2.91	3.07	2.57	3.11	2.38
MIN	0.58	0.83	1.56	2.00	2.59	2.02	1.75	1.45	1.38	0.91	0.62	0.75
DAYS	31	28	31	30	31	30	28	24	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355  
 THE MEAN STAGE FOR THE YEAR WAS 2.11.  
 HIGHEST STAGE WAS 3.90 AT 6:00 A.M. ON JUN 11.  
 LOWEST STAGE WAS 0.48 ON FEB 26.

## DAILY STAGE FOR 1991

SOUTH PASS AT PORT EADS, LA.

LOCATION. LAT. 29-00-53. LONG. 89-09-57. U. S. COAST GUARD WHARF, 10.8 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0185002.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. PRIOR TO APR. 24, 1967, GAGE WAS LOCATED 2.2 MILES DOWNSTREAM AT MOUTH OF SOUTH PASS.

RECORDS AVAILABLE. STAGE, FEB. 15, 1939, TO DATE.

EXTREMES. HIGHEST, 5.50 FEET (CAUSED BY HURRICANE) ON SEP. 9, 1965. LOWEST, MINUS 1.87 FEET ON JULY 16, 1939.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.90	1.62	1.70	1.87	3.08	2.50	2.41	1.75	1.90	2.50	2.75	
2	1.00	1.72	2.00	1.75	2.90	2.40	2.12	1.53	2.14	2.79	2.30	
3	1.25	1.70	2.43	1.98	2.75	2.25	1.97	1.52	2.42	2.64	1.78	
4	1.58	1.80	2.00	1.99	2.60	2.04	1.86	1.59	2.87	2.50	1.51	
5	1.88	2.03	1.59	2.13	2.55	1.98	1.68	1.92	3.02	2.51	1.35	
6	1.91	1.84	1.77	1.95	2.30	2.15	1.76	1.95	2.95	2.40	1.04	
7	1.72	1.48	1.69	1.94	2.62	2.75	2.08	2.36	2.50	1.85	1.14	
8	1.65	1.22	1.79	1.84	2.65	2.91	2.36	2.50	2.31	1.66	1.01	
9	1.68	1.00	1.80	1.92	2.63	3.15	2.57	2.61	2.23	1.33	1.15	
10	2.03	0.88	1.49	1.79	2.70	3.35	2.73	2.27	2.15	1.18	1.08	
11	2.00	0.77	1.18	1.98	2.66	3.31	2.72	1.80	1.76	1.02	1.18	
12	1.38	0.65	1.40	2.22	2.70	3.32	2.67	1.53	1.73	1.01	1.90	
13	1.41	1.04	1.50	2.50	3.16	3.12	2.40	1.40	1.65	1.06		
14	1.39	1.13	1.44	2.73	3.27	3.07	2.06	1.48	1.80	1.47		
15	1.81	1.06	1.91	3.25	3.31	2.69	1.80	1.30	1.85	1.70		
16	1.42	0.84	2.35	3.05	3.27	2.30	1.43	1.38	1.95	1.92		
17	1.49	1.25	2.63	2.92	3.09	2.10	1.49	1.57	2.05	1.88		
18	1.61	1.65	2.49	2.90	2.90	1.80	1.46	1.77	2.45	1.65		
19	2.13	1.90	2.35	2.61	3.11	1.90	1.60	1.82	2.49	1.75	F	2.55
20	2.02	1.71	2.37	2.50	2.88	1.74	1.55	2.00	2.63	1.90		1.45
21	1.76	1.51	2.19	2.34	2.78	1.81	1.96	1.96	2.52	1.91		1.15
22	1.78	1.45	2.31	2.15	3.70	1.95	2.10	2.13	2.54	1.70		0.99
23	1.73		1.79	2.16	3.33	2.14	2.24	2.19	2.28	1.63		1.16
24	1.98		1.46	2.27	3.02	2.15	2.42	2.30	1.97	1.43		1.25
25	2.00		1.43	2.66	3.14	2.49	2.42	2.25	1.68	1.48		1.45
26	1.45		1.42	2.88	3.26	2.57	2.32	1.95	1.52	1.48		1.62
27	1.33		1.63	2.85	3.10	2.71	2.35	2.00	1.34	1.80		1.98
28	1.54	F 1.75	1.56	3.15	3.05	2.38	2.15	1.42	1.35	2.23		1.73
29	1.42	-----	2.44	3.16	2.91	2.50	2.07	1.45	1.67	2.32		1.58
30	1.58	-----	2.21	3.35	2.97	2.40	1.86	1.48	2.16	2.74		1.48
31	1.40	-----	1.93	-----	2.80	-----	1.93	1.68	-----	2.75	-----	1.17

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.62	1.39	1.88	2.43	2.94	2.46	2.08	1.83	2.13	1.88	1.52	1.50
MAX	2.13	2.03	2.63	3.35	3.70	3.35	2.73	2.61	3.02	2.79	2.75	2.55
MIN	0.90	0.65	1.18	1.75	2.30	1.74	1.43	1.30	1.34	1.01	1.01	0.99
DAYS	31	23	31	30	31	30	31	31	30	31	12	13

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 324

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.04.

HIGHEST STAGE WAS 3.77 AT 11:00 A.M. ON MAY 22.

LOWEST STAGE WAS 0.36 ON JUL 9.

## DAILY STAGE FOR 1991

## OLD RIVER INFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-40. LONG. 91-35-49. UPSTREAM OF STATE HIGHWAY 15 BRIDGE AT OLD RIVER CONTROL STRUCTURE, ABOUT A QUARTER MILE FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 314.6 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 7.7 MILES IN LENGTH AND JOINS WITH RED RIVER AT MILE 3.6. (STA. 0205011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 51 FEET. THE MAIN CHANNEL STRUCTURE CONSISTS OF ELEVEN GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS TEN FEET ABOVE NGVD EXCEPT FOR THREE CENTER BAYS WHICH HAVE CREST ELEVATION OF FIVE FEET BELOW NGVD. THE OVERBANK STRUCTURE CONSISTS OF 73 GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS 52.0 FEET, NGVD. THE TOP ELEVATION OF ALL GATE BAYS IS 67.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY FOR BOTH STRUCTURES IS ABOUT 700,000 CFS.

RECORDS AVAILABLE. STAGE, APR. 3, 1961, TO DATE.

EXTREMES. HIGHEST, 63.40 FEET ON MAY 31, 1983. LOWEST, 9.10 FEET ON JAN. 8, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	48.40	55.50	50.10	47.40	57.05	50.67	37.30	22.62	18.60	20.23	20.54 E	31.00
2	49.24	54.80	50.60	47.82	57.30	50.21	36.70	22.20	18.90	22.78	22.78	32.10
3	50.08	53.80	51.00	48.13	57.49	49.86	36.00	22.01	18.90	19.82	24.88	33.40
4	50.70	52.60	51.30	48.24	57.50	49.81	35.45	21.86	19.20	19.92	26.79	34.40
5	50.80	51.20	51.80	48.60	57.44	49.98	35.09	21.75	19.80	19.45	27.90	35.50
6	51.10	50.00	52.00	48.90	57.49	50.07	34.23	21.59	19.63	19.23	28.30	36.33
7	51.70	48.60	52.40	49.00	57.73	50.02	33.35	21.47	19.58	19.05	28.29	37.37
8	52.10	47.02	52.46	49.30	57.70	49.92	32.50	21.20	19.38	18.70	28.06	39.00
9	52.50	46.42	52.70	49.60	58.00	49.65	31.98	21.10	19.35	18.33	27.62	41.11
10	53.20	45.40	52.75	50.00	58.10	49.26	31.22	20.99	19.31	18.17	27.29	42.44
11	54.10	44.75	52.67	50.30	58.09	48.85	30.37	20.87	19.51	17.93	27.25	43.66
12	55.00	44.04	52.32	50.62	57.90	48.31	29.54	20.61	19.59	17.75	27.40	44.52
13	55.40	43.68	51.60	51.03	57.40	47.76	28.69	20.30	19.82	17.70	27.30	45.50
14	55.80	43.60	51.05	51.51	57.06	47.03	28.06	20.20	19.91	18.01	26.80	47.10
15	56.30	43.74	50.36	52.10	56.70	46.23	27.58	19.90	19.69	18.39	26.50	47.92
16	56.90	43.80	49.97	52.90	56.60	45.39	27.27	19.90	19.24	18.29 E	26.40	48.55
17	57.40	44.16	49.47	53.12	56.36	44.50	27.09	19.85	18.70	18.32 E	26.00	48.98
18	57.70	44.47	48.73	53.40	56.24	43.64	27.25	19.90	18.31	18.10	25.50	49.30
19	58.10	44.80	48.24	53.64	56.01	42.42	27.28	20.20	18.48	17.90	25.40	49.40
20	58.34	46.10	47.62	53.85	55.88	41.24	27.35	20.30	18.82	17.60	25.60	49.12
21	58.40	46.70	47.14	53.99	55.50	40.30	27.33	20.20	19.00	17.30	26.30	49.10
22	58.30	47.60	46.60	53.99	55.40	39.84	27.30	20.00	18.92	16.90	27.30	48.81
23	58.57	47.85	46.20	54.23	55.08	39.34	27.10	19.90	18.90	16.90 E	28.40	48.51
24	58.20	48.15	45.80	54.77	54.70	38.80	26.60	19.80	18.91	16.80 E	29.80	48.30
25	58.30	48.58	45.60	54.70	54.20	38.60	26.10	19.71	19.27	16.70	31.00	48.00
26	58.00	49.00	45.30	55.07	53.90	38.60	25.44	19.65	19.38	16.70	31.10	47.70
27	57.60	49.30	45.10	55.44	53.40	38.50	25.13	19.52	19.62	17.10	30.80	47.50
28	57.40	49.60	45.20	55.70	52.95	38.20	24.51	19.62	19.90	17.10 E	30.30	47.30
29	56.70	-----	45.54	56.17	52.53	37.85	23.87	19.71	20.12	17.50	30.40	46.60
30	56.50	-----	46.34	56.83	51.84	37.65	23.27	19.50	20.21	17.90 E	30.90	45.70
31	56.00	-----	47.01	-----	51.30	-----	22.89	18.20	-----	19.00	-----	44.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	55.12	47.69	49.19	52.01	55.96	44.75	29.16	20.47	19.30	18.15	27.43	43.84
MAX	58.57	55.50	52.75	56.83	58.10	50.67	37.30	22.62	20.21	20.23	31.10	49.40
MIN	48.40	43.60	45.10	47.40	51.30	37.65	22.89	18.20	18.31	16.70	20.54	31.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 38.54.

HIGHEST STAGE WAS 58.60 AT 7:00 P.M. ON JAN 22 AND LATER DATE(S).

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 16.60 ON OCT 25.

## DAILY STAGE FOR 1991

OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-40, LONG. 91-35-50. DOWNSTREAM OF STATE HIGHWAY 15 BRIDGE AT OLD RIVER CONTROL STRUCTURE, ABOUT ONE MILE FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 314.6 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 7.7 MILES IN LENGTH AND JOINS WITH RED RIVER AT MILE 3.6. (STA. 0210011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

DISCHARGE RANGE. FIVE AND A HALF MILES DOWNSTREAM FROM OLD RIVER CONTROL STRUCTURE.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 49 FEET. THE MAIN CHANNEL STRUCTURE CONSISTS OF ELEVEN GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS TEN FEET ABOVE NGVD EXCEPT FOR THREE CENTER BAYS WHICH HAVE CREST ELEVATION OF FIVE FEET BELOW NGVD. THE OVERBANK STRUCTURE CONSISTS OF 73 GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS 52.0 FEET, NGVD. THE TOP ELEVATION OF ALL GATE BAYS IS 67.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY FOR BOTH STRUCTURES IS ABOUT 700,000 CFS.

RECORDS AVAILABLE. STAGE, MAR. 31, 1961, TO DATE. DISCHARGE, 1961 TO DATE. COMPUTED DAILY, SINCE 1962.

EXTREMES. HIGHEST, 59.30 FEET ON MAY 15, 1973. LOWEST, 1.32 FEET ON JULY 16, 1964 (GATES CLOSED). MAXIMUM, 610,000 CFS COMPUTED FOR MAY 19, 1973 (LOW SILL AND OVERBANK STRUCTURES IN OPERATION). MINIMUM, NO FLOW (GATES CLOSED) ON VARIOUS OCCASIONS.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	31.33	40.20	34.60	30.80	39.10	33.44	22.10	11.89	10.49	7.38	9.10	17.40
2	31.89	39.50	35.23	31.21	39.20	33.18	21.60	11.70	10.65	7.70	10.61	17.60
3	33.40	38.90	35.46	30.92	39.20	33.00	21.10	11.60	10.84	7.50	12.82	20.45
4	35.30	38.20	35.65	31.76	40.00	32.90	20.40	11.53	10.60	6.90	14.30	21.73
5	38.30	37.40	36.10	32.40	40.30	32.60	19.80	11.39	9.60	7.18	14.50	21.50
6	38.60	35.90	36.40	32.91	40.60	32.40	19.70	11.59	9.39	6.85	15.09	21.98
7	38.50	34.10	36.30	33.00	39.10	32.80	19.20	11.50	9.38	6.81	15.80	22.40
8	39.20	32.40	36.70	33.00	39.20	32.60	18.70	10.98	9.52	7.58	15.10	23.45
9	39.70	29.30	36.90	33.60	38.40	32.70	17.40	10.60	9.40	7.83	15.05	24.26
10	40.50	28.60	36.85	33.57	37.88	32.40	16.80	10.05	8.90	7.83	14.70	26.85
11	41.30	28.20	36.70	34.35	37.80	32.10	16.50	10.01	8.32	7.69	14.38	28.44
12	40.90	27.80	36.50	34.90	37.37	31.80	16.40	10.07	7.99	7.89	13.88	29.80
13	41.60	27.60	36.40	34.90	37.40	31.20	16.00	10.00	7.69	7.80	13.69	30.15
14	41.60	27.30	36.10	35.33	37.48	30.68	15.40	9.41	7.90	7.82	14.40	30.70
15	42.10	27.20	35.36	36.47	37.20	29.90	14.70	9.40	7.74	7.90	14.52	31.47
16	42.00	28.10	34.22	35.90	36.30	29.11	14.50	9.45	7.64	8.80	14.20	31.60
17	42.40	28.00	33.95	35.30	36.23	28.10	14.70	9.92	7.10	9.40	14.30	31.90
18	42.60	27.80	33.60	35.50	36.09	27.50	15.20	9.98	7.37	9.39	14.35	31.61
19	42.60	27.60	32.45	36.00	35.87	27.41	16.20	10.02	6.90	9.22	13.60	31.80
20	43.00	28.90	31.63	35.90	35.68	27.41	17.10	9.80	7.21	9.08	14.05	32.50
21	43.30	30.70	30.40	36.20	35.56	26.10	17.20	9.77	7.65	8.90	14.00	32.20
22	43.60	31.30	30.20	36.50	35.18	25.33	16.90	9.82	7.70	8.80	14.80	31.81
23	43.60	32.10	29.60	36.00	35.07	24.85	16.45	10.23	7.85	7.72	16.11	32.01
24	43.50	32.45	29.22	36.60	34.80	24.46	16.06	10.15	7.62	7.20	17.23	31.72
25	44.00	32.90	28.60	37.00	34.50	23.88	15.33	10.08	8.04	6.20	17.95	31.73
26	43.90	33.40	29.20	37.20	34.18	23.24	14.66	10.00	8.37	6.10	17.69	31.90
27	43.80	33.90	29.28	36.80	33.81	23.20	14.52	10.19	8.00	6.10	17.30	30.99
28	43.70	34.22	29.30	36.80	33.78	23.40	14.11	10.38	7.02	6.10	17.74	30.05
29	43.10	-----	29.47	37.50	33.42	23.20	13.75	10.09	7.18	5.90	17.29	30.08
30	42.40	-----	30.09	38.80	33.60	22.75	13.11	10.23	7.37	7.00	16.85	29.75
31	41.30	-----	30.75	-----	33.72	-----	12.40	10.39	-----	7.80	-----	28.78

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	40.74	31.93	33.33	34.90	36.71	28.79	16.71	10.39	8.38	7.62	14.85	28.02
MAX	44.00	40.20	36.90	38.80	40.60	33.44	22.10	11.89	10.84	9.40	17.95	32.50
MIN	31.33	27.20	28.60	30.80	33.42	22.75	12.40	9.40	6.90	5.90	9.10	17.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 24.33.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 44.00 AT 8:00 A.M. ON JAN 25.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 5.80 ON OCT 4.

DAILY FLOW FOR 1991  
 OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.--CONTINUED  
 COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	228	301	220	205	215	125	83	83	64	33	32	90
2	243	291	230	204	216	125	85	84	64	37	18	90
3	265	287	230	208	215	126	83	79	64	37	18	97
4	295	279	232	219	224	126	81	78	58	40	18	95
5	351	263	241	232	224	127	81	79	58	43	18	84
6	352	239	246	244	224	133	82	80	56	42	23	84
7	343	206	253	245	185	148	83	77	54	42	32	91
8	359	183	253	246	180	151	82	72	54	47	32	91
9	372	136	258	255	152	158	76	67	53	48	35	99
10	383	136	257	260	137	159	78	60	50	48	35	134
11	387	136	260	271	135	160	83	60	47	48	35	161
12	351	137	260	275	128	155	87	61	44	49	35	185
13	367	137	260	270	129	143	90	61	44	49	48	185
14	360	137	254	270	131	130	91	59	47	50	55	175
15	358	143	247	268	124	121	89	59	47	53	61	176
16	352	162	229	232	104	111	92	60	45	59	66	178
17	363	164	228	203	104	102	99	63	40	66	66	178
18	364	168	226	200	106	105	109	64	40	63	64	183
19	354	170	212	197	106	109	121	64	37	60	59	190
20	365	188	202	184	105	112	131	63	40	60	60	199
21	372	200	198	185	105	103	132	65	46	59	58	199
22	380	191	190	183	105	80	125	67	46	55	58	199
23	372	195	185	172	106	81	123	70	45	46	66	199
24	375	194	183	182	105	81	121	66	45	42	66	197
25	385	192	181	191	106	75	115	66	49	35	66	191
26	380	199	192	195	106	71	108	66	51	34	62	190
27	376	209	199	179	105	75	107	68	42	34	64	165
28	373	214	201	176	105	82	102	70	32	34	77	140
29	358	-----	203	187	106	83	98	69	33	31	77	140
30	341	-----	204	215	116	83	92	69	33	39	77	140
31	314	-----	203	-----	125	-----	87	63	-----	39	-----	126

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	350	195	224	218	140	115	97	68	48	46	49	150
MAX	387	301	260	275	224	160	132	84	64	66	77	199
MIN	228	136	181	172	104	71	76	59	32	31	18	84
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 TOTAL FOR YEAR WAS 51,830,000 DSF.  
 THE MEAN FLOW FOR THE YEAR WAS 142,000 DSF.  
 MAXIMUM DAILY DISCHARGE WAS 387,000 DSF ON JAN 11.  
 MINIMUM DAILY DISCHARGE WAS 18,000 DSF ON NOV 2 THRU 5.

## DAILY STAGE FOR 1991

## OLD RIVER AUXILIARY INFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-03-54, LONG. 91-35-18. STATE HIGHWAY 15 BRIDGE AT OLD RIVER AUXILIARY CONTROL STRUCTURE, ABOUT 1-1/2 MILES FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 312.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 2.2 MILES IN LENGTH AND JOINS WITH OLD RIVER OUTFLOW CHANNEL ABOUT ONE MILE BELOW HEAD. (STA. 0220011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). THE AUXILIARY STRUCTURE CONSISTS OF SIX GATE BAYS, EACH WITH 62-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS FIVE FEET BELOW NGVD. THE TOP ELEVATION OF ALL GATES IS 70.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY IS ABOUT 374,000 CFS.

RECORDS AVAILABLE. STAGE, DEC. 14, 1986, TO DATE.

EXTREMES. HIGHEST, 58.00 FEET ON JAN. 24, 1991. LOWEST, 9.30 FEET ON JUL. 5, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	47.64	54.76	49.30	46.77	56.44	50.25	36.94	21.77	19.20	20.04	20.40	30.75
2	48.45	53.97	49.71	47.22	56.70	49.77	36.32	21.10	19.40	19.63	22.50	31.70
3	49.33	52.97	50.19	47.55	56.47	49.44	35.70	20.90	19.47	19.60	24.20	33.29
4	49.88	51.80	50.60	47.72	56.60	49.37	35.00	20.70	19.50	19.70	26.50	34.20
5	50.10	50.47	50.92	47.71	56.60	49.43	34.60	20.58	17.80	19.45	27.40	35.25
6	50.55	49.30	51.15	47.76	56.50	49.55	33.84	19.94	17.88	19.24	28.00	36.17
7	51.10	48.10	51.36	48.03	56.80	49.54	33.05	19.60	18.10	19.02	28.00	37.29
8	51.40	46.53	51.61	48.36	56.80	49.40	32.20	20.20	17.94	18.55	27.71	38.80
9	52.00	45.97	51.70	48.64	57.16	49.20	31.70	20.27	17.81	18.11	27.27	40.78
10	52.45	44.98	51.79	48.90	57.30	48.80	30.81	20.47	18.44	17.66	26.96	41.89
11	53.26	44.23	51.70	49.03	57.20	48.35	29.98	20.40	18.81	17.28	26.82	43.35
12	54.07	43.67	51.30	49.31	57.00	47.82	29.12	20.13	19.30	16.80	26.96	44.05
13	54.50	43.30	50.78	49.82	56.70	47.24	28.36	19.80	19.36	16.80	26.95	45.12
14	54.20	43.27	50.17	50.23	56.30	46.63	27.71	19.50	19.43	17.10	26.56	46.78
15	55.54	43.27	49.64	51.02	56.10	45.87	27.30	17.61	19.14	17.40	26.15	47.40
16	55.98	43.33	49.31	52.10	55.99	45.00	26.90	17.10	18.70	16.80	25.90	48.20
17	56.42	43.67	48.80	52.67	55.74	44.10	26.30	17.60	18.49	16.30	25.60	48.70
18	56.72	44.02	48.10	52.95	55.64	42.43	25.35	17.80	18.15	14.50	25.16	48.90
19	57.20	44.40	47.72	53.32	55.48	41.00	24.85	17.80	18.40	14.60	24.88	49.10
20	57.35	45.12	47.20	53.56	55.27	39.42	24.50	18.30	18.52	14.39	25.06	49.00
21	57.43	45.80	46.65	53.60	55.04	39.90	24.59	18.30	18.32	14.17	26.00	48.80
22	57.40	46.70	46.10	53.68	54.81	39.50	24.60	17.50	18.29	15.80	26.80	48.54
23	57.40	47.37	45.66	53.94	54.52	38.97	24.50	16.00	18.33	16.40	28.15	48.25
24	57.83	47.70	45.29	54.19	54.23	38.40	24.00	16.40	18.55	16.40	29.48	48.00
25	57.28	48.04	45.12	54.40	53.90	38.20	23.51	16.50	18.80	16.60	30.40	47.85
26	57.06	48.34	44.40	54.55	53.50	38.20	23.41	16.47	18.85	16.40	30.58	47.52
27	56.75	48.61	44.24	54.87	53.01	38.12	22.93	15.99	19.35	16.80	30.43	47.40
28	56.42	48.90	44.30	55.21	52.48	37.85	22.22	16.27	19.80	16.80	30.16	47.10
29	56.10	-----	45.01	55.60	52.02	37.69	21.42	16.74	19.99	17.10	30.20	46.40
30	55.75	-----	45.81	55.87	51.48	37.38	21.34	16.18	20.10	17.80	30.55	45.55
31	55.55	-----	46.36	-----	50.82	-----	21.68	19.08	-----	18.70	-----	44.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	54.29	47.09	48.45	51.29	55.31	44.23	27.89	18.61	18.81	17.29	27.06	43.58
MAX	57.83	54.76	51.79	55.87	57.30	50.25	36.94	21.77	20.10	20.04	30.58	49.10
MIN	47.64	43.27	44.24	46.77	50.82	37.38	21.34	15.99	17.80	14.17	20.40	30.75
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 37.78.

HIGHEST STAGE WAS 58.00 AT 8:30 A.M. ON JAN 24.

LOWEST STAGE WAS 14.13 ON OCT 21.

DAILY FLOW FOR 1991  
OLD RIVER AUXILIARY INFLOW CHANNEL NEAR KNOX LANDING, LA.--CONTINUED

COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	104	96	100	78	0	0	0	24	0	0	0	0
2	105	93	108	78	0	0	0	26	0	0	0	0
3	101	91	109	84	98	0	0	24	0	0	0	0
4	102	89	111	92	124	0	0	23	0	0	0	0
5	101	97	118	106	105	0	0	24	34	0	0	0
6	103	91	123	118	103	0	0	26	32	0	0	0
7	105	58	129	119	68	9	0	27	30	0	0	0
8	117	66	128	121	65	9	0	23	30	7	0	0
9	148	34	133	129	44	15	0	20	30	15	0	0
10	143	34	133	134	32	15	0	16	26	15	0	20
11	145	34	135	146	30	14	0	16	21	16	0	25
12	129	34	137	152	24	12	12	16	12	22	0	47
13	127	34	136	144	24	0	12	16	10	22	0	47
14	234	34	135	145	23	0	12	16	17	22	0	30
15	114	40	124	143	15	0	12	26	17	23	0	30
16	104	41	104	106	0	0	15	27	17	27	0	30
17	102	42	104	28	0	0	26	29	12	37	0	30
18	102	42	103	17	0	101	41	30	11	37	0	23
19	96	43	86	15	0	105	61	29	8	36	0	26
20	108	113	77	0	0	108	70	29	11	36	0	35
21	117	109	72	0	0	99	70	29	19	36	0	35
22	125	108	64	0	0	0	72	30	19	24	0	35
23	119	72	56	0	0	0	66	37	19	15	0	35
24	99	72	56	0	0	0	64	36	15	11	0	33
25	100	72	56	0	0	0	57	36	18	2	0	27
26	95	78	99	0	0	0	44	36	20	8	0	27
27	94	88	101	0	0	0	43	38	11	8	0	0
28	93	93	101	0	0	0	42	40	0	8	0	0
29	92	-----	78	29	0	0	41	38	0	5	0	0
30	92	-----	78	96	0	0	35	40	0	0	0	0
31	91	-----	78	-----	0	-----	28	0	-----	11	-----	0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	113	68	102	69	24	16	27	27	15	14	0	17
MAX	234	113	137	152	124	108	72	40	34	37	0	47
MIN	91	34	56	0	0	0	0	0	0	0	0	0
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
TOTAL FOR YEAR WAS 14,965,000 DSF.  
THE MEAN FLOW FOR THE YEAR WAS 41,000 DSF.  
MAXIMUM DAILY DISCHARGE WAS 234,000 DSF ON JAN 14.  
MINIMUM DAILY DISCHARGE WAS 0 ON APR 20 AND LATER DATES.

## DAILY STAGE FOR 1991

## OLD RIVER AUXILIARY OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-03-57, LONG. 91-35-26. STATE HIGHWAY 15 BRIDGE AT OLD RIVER AUXILIARY CONTROL STRUCTURE, ABOUT 1-1/2 MILES FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 312.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 2.2 MILES IN LENGTH AND JOINS WITH OLD RIVER OUTFLOW CHANNEL ABOUT ONE MILE BELOW HEAD. (STA. 0221011.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). THE AUXILIARY STRUCTURE CONSISTS OF SIX GATE BAYS, EACH WITH 62-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS FIVE FEET BELOW NGVD. THE TOP ELEVATION OF ALL GATES IS 70.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY IS ABOUT 374,000 CFS.

RECORDS AVAILABLE. STAGE, DEC. 14, 1986, TO DATE.

EXTREMES. HIGHEST, 43.90 FEET ON JAN. 25, 1991 AND LATER DATE(S). LOWEST, 4.90 FEET ON JUL. 12, 1988.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	31.60	40.20	34.60	31.30	39.10	33.50	22.10	11.90	10.30	7.40	9.10	17.60
2	32.30	39.40	35.30	31.40	39.20	33.20	21.60	11.90	10.40	7.60	10.50	18.10
3	33.70	38.90	35.50	31.60	39.20	32.90	21.00	11.50	10.60	7.50	12.90	20.30
4	35.40	38.20	35.60	31.80	39.80	32.80	20.50	11.50	10.30	7.40	14.20	21.60
5	38.30	37.30	36.10	32.60	40.30	32.60	19.90	11.30	10.20	7.40	14.60	21.50
6	38.50	35.90	36.40	33.15	40.60	32.40	19.70	11.60	9.90	7.00	15.00	21.90
7	38.50	34.00	36.60	33.20	39.10	32.80	19.20	11.50	9.70	7.00	15.80	22.70
8	39.20	32.40	36.70	33.10	39.20	32.60	18.60	11.00	9.90	7.90	15.30	23.50
9	39.50	29.60	37.00	33.70	38.40	32.70	17.40	10.40	9.80	8.00	14.80	24.30
10	40.50	28.90	36.95	34.00	37.90	32.40	16.90	10.00	9.30	7.90	14.65	26.70
11	41.20	28.30	36.60	34.50	37.80	32.10	16.70	9.90	8.70	8.00	14.40	28.40
12	40.90	27.90	36.50	34.90	37.40	31.80	16.40	10.10	8.00	8.30	13.90	29.60
13	41.50	27.70	36.30	34.95	37.40	31.20	16.00	9.80	7.70	8.20	13.50	30.40
14	41.40	27.40	36.00	35.35	37.50	30.60	15.50	9.40	8.20	8.20	14.60	31.10
15	42.00	27.30	35.40	36.50	37.20	30.00	14.80	9.40	8.00	8.40	14.60	31.60
16	41.90	28.25	34.30	35.90	36.40	29.10	14.50	9.50	7.90	9.50	14.40	31.70
17	42.50	28.15	34.00	35.30	36.20	28.10	14.70	9.90	7.20	10.30	14.20	32.00
18	42.60	28.00	33.60	35.60	36.10	27.70	15.50	10.00	7.40	10.30	14.40	31.50
19	42.60	27.80	32.50	36.00	35.80	27.70	16.60	10.20	7.10	10.20	13.50	31.40
20	43.00	29.10	31.70	35.90	35.70	27.70	17.50	10.00	7.20	10.10	13.90	32.30
21	43.30	31.00	31.10	36.20	35.50	27.10	17.60	9.90	7.80	10.00	14.20	32.50
22	43.50	31.50	30.20	36.40	35.30	25.40	17.30	10.00	7.90	9.50	14.90	32.30
23	43.70	32.40	29.70	36.10	35.00	24.80	16.70	10.40	8.00	8.10	16.20	32.10
24	43.60	32.80	29.20	36.60	34.90	24.50	16.30	10.60	7.80	7.30	17.70	31.20
25	43.90	33.10	28.70	37.10	34.50	24.00	15.60	10.50	8.20	6.30	18.00	31.90
26	43.90	33.40	29.50	37.20	34.20	23.20	14.80	10.40	8.50	6.20	17.70	32.10
27	43.90	33.90	29.60	36.80	33.80	23.20	14.70	10.60	8.00	6.20	17.20	31.00
28	43.70	34.20	29.50	36.80	33.80	23.40	14.35	10.80	7.00	6.20	17.80	30.30
29	43.20	-----	29.70	37.50	33.50	23.20	14.00	10.60	7.10	5.90	17.20	30.10
30	42.40	-----	30.20	38.80	33.60	22.75	13.20	10.70	7.20	7.00	16.80	29.80
31	41.20	-----	30.90	-----	33.80	-----	12.60	10.20	-----	8.00	-----	28.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	40.75	32.04	33.42	35.01	36.72	28.85	16.85	10.50	8.51	7.98	14.86	28.08
MAX	43.90	40.20	37.00	38.80	40.60	33.50	22.10	11.90	10.60	10.30	18.00	32.50
MIN	31.60	27.30	28.70	31.30	33.50	22.75	12.60	9.40	7.00	5.90	9.10	17.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 24.43.

HIGHEST STAGE WAS 43.90 ON JAN 25 AND LATER DATE(S).

LOWEST STAGE WAS 5.90 ON OCT 29.

## DAILY STAGE FOR 1991

## OLD RIVER AT TORRAS, LA. (LOCK FOREBAY)

LOCATION. LAT. 31-00-03, LONG. 91-40-12. IN NAVIGATION CHANNEL, ON SIDE OF LOCK WALL AT ENTRANCE TO LOCK CHAMBER. THE HEAD OF NAVIGATION CHANNEL IS AT RIVER MILE 304.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. (STA. 0272511.)

GAGE. WIRE WEIGH.

GENERAL INFORMATION. PRIOR TO MAR. 18, 1963, GAGE WAS IN NATURAL CHANNEL OF LOWER OLD RIVER AND ZERO OF GAGE WAS 1.11 FEET HIGHER THAN PRESENT DATUM.

RECORDS AVAILABLE. STAGE, JAN. 1, 1903, TO DATE.

EXTREMES. HIGHEST, 61.6 FEET ON MAY 15, 1927. LOWEST, 3.3 FEET ON NOV. 4, 1939. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	46.25	53.20	47.70	45.10	54.75	48.65	35.25	20.45	17.35	18.35	17.05	28.65
2	47.00	52.90	48.45	45.50	55.05	48.15	34.65	19.95	17.80	18.10	20.25	29.20
3	47.90	52.15	49.10	45.90	55.20	47.70	33.90	19.80	17.85	18.05	22.65	31.05
4	48.50	50.85	49.15	46.25	55.25	47.50	33.35	19.50	18.00	18.00	24.95	32.10
5	48.90	49.55	49.60	46.50	55.30	47.70	32.90	19.45	17.90	18.00	25.10	33.05
6	49.25	48.15	49.80	46.75	55.25	47.60	31.70	19.20	17.80	17.75	25.90	34.50
7	49.85	46.90	50.10	46.72	55.35	47.40	31.50	19.15	17.75	17.55	26.00	35.00
8	50.30	45.30	50.45	47.00	55.35	47.70	30.90	19.15	17.50	17.20	26.00	36.50
9	50.80	44.45	50.60	47.35	55.60	47.60	30.10	19.10	17.45	16.85	25.55	37.95
10	51.40	43.45	50.80	47.65	55.78	47.20	29.70	19.00	17.65	16.50	25.15	40.50
11	52.40	42.70	50.65	48.00	55.75	46.90	28.60	19.00	17.40	16.20	25.05	40.70
12	53.15	42.00	50.40	48.40	55.50	46.45	27.45	19.05	17.60	15.90	24.95	42.00
13	53.55	41.65	49.85	49.10	55.30	45.75	26.40	18.70	17.60	15.80	24.95	43.40
14	54.00	41.55	49.20	49.30	54.85	45.10	25.85	18.15	17.80	15.90	25.00	44.75
15	54.50	41.55	48.70	50.00	54.55	44.60	25.30	18.15	17.80	16.30	24.80	45.70
16	54.85	41.65	48.10	50.70	54.45	43.70	24.90	17.80	17.60	16.55	24.40	46.35
17	55.30	41.95	47.65	51.00	54.15	42.50	24.60	17.85	17.30	16.50	23.95	46.80
18	55.60	42.20	46.95	51.30	54.00	42.15	24.75	18.00	16.70	16.30	23.60	47.10
19	56.10	42.65	46.45	51.70	53.80	40.80	25.40	18.25	16.90	16.30	23.35	47.30
20	56.30	43.55	45.70	51.80	53.60	39.60	25.65	18.40	16.85	16.00	23.30	47.25
21	56.45	44.65	45.20	51.90	53.45	38.30	24.65	18.25	16.95	15.90	24.10	47.05
22	56.60	45.50	44.60	51.95	53.20	37.85	24.90	18.10	16.95	15.50	24.50	46.80
23	56.60	45.80	44.05	52.15	52.80	37.30	24.65	17.90	16.95	15.40	25.30	46.50
24	56.60	46.05	43.75	52.35	52.55	36.80	24.40	17.45	17.10	15.30	27.20	46.25
25	56.55	46.50	43.40	52.60	52.20	36.10	24.05	18.10	17.65	15.35	28.30	46.10
26	56.25	46.75	43.15	52.80	51.90	36.40	23.50	18.05	17.65	15.10	28.80	45.75
27	56.06	47.10	43.00	53.15	51.35	36.35	22.65	18.00	17.55	14.90	28.40	45.70
28	55.75	47.35	43.10	53.45	50.90	36.05	22.20	17.50	18.00	15.55	28.40	45.45
29	55.30	-----	43.20	53.85	50.40	35.90	21.65	17.60	18.20	15.60	28.35	44.70
30	55.10	-----	44.05	54.50	49.80	35.65	21.00	17.55	18.65	16.20	28.50	44.00
31	54.55	-----	44.60	-----	49.30	-----	20.70	17.85	-----	16.80	-----	43.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	53.28	45.64	47.15	49.82	53.76	42.71	27.01	18.53	17.54	16.44	25.13	41.66
MAX	56.60	53.20	50.80	54.50	55.78	48.65	35.25	20.45	18.65	18.35	28.80	47.30
MIN	46.25	41.55	43.00	45.10	49.30	35.65	20.70	17.45	16.70	14.90	17.05	28.65
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 36.51.

HIGHEST STAGE WAS 56.60 ON JAN 22 AND LATER DATE(S).

LOWEST STAGE WAS 14.90 ON OCT 27.

## DAILY STAGE FOR 1991

OLD RIVER AT TORRAS, LA. (LOCK TAILBAY)

LOCATION. LAT. 31-00-12, LONG. 91-40-25. IN NAVIGATION CHANNEL LOCK WALL AT ENTRANCE TO LOCK CHAMBER.  
THE HEAD OF NAVIGATION CHANNEL IS AT RIVER MILE 304.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER.  
(STA. 0275011.)

GAGE. WIRE WEIGH.

DISCHARGE RANGE. 0.8 MILE DOWNSTREAM FROM GAGE.

RECORDS AVAILABLE. STAGE, MAR. 18, 1963, TO DATE. DISCHARGE, 1963 AND 1964.

EXTREMES. HIGHEST, 57.60 FEET ON MAY 14 AND LATER DATES IN 1973. LOWEST, 1.2 FEET ON JULY 16, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	29.00	37.45	32.65	29.50	37.10	32.30	20.85	9.10	6.95	6.20	7.60	15.95
2	29.35	36.55	32.90	29.40	37.35	31.65	20.35	9.10	7.20	6.05	9.95	16.40
3	30.45	36.25	33.25	29.45	37.40	31.80	20.10	8.90	7.80	6.25	11.55	18.50
4	31.70	35.65	33.35	29.55	38.05	31.20	19.10	8.40	7.40	6.25	13.05	20.35
5	34.30	35.20	34.05	30.05	38.40	31.25	18.20	8.15	7.00	6.00	13.70	20.10
6	34.70	33.70	33.90	30.45	38.75	31.20	18.20	8.35	6.90	5.55	14.10	20.45
7	34.70	32.25	34.12	30.48	37.70	31.30	18.20	8.50	7.15	5.35	14.55	21.10
8	35.10	30.80	34.40	30.40	37.70	31.10	17.60	8.35	7.40	6.10	14.65	21.70
9	35.75	28.25	34.50	30.95	37.10	30.90	16.70	8.30	7.40	5.90	14.40	23.00
10	36.30	27.45	34.70	31.40	36.70	30.90	15.80	8.25	6.95	5.50	13.95	24.80
11	37.40	26.80	34.40	31.70	36.60	30.65	15.40	8.20	6.20	5.10	13.65	26.50
12	37.50	26.55	34.20	32.20	36.25	30.20	14.85	8.15	6.20	5.60	12.95	28.05
13	37.85	26.40	34.00	32.50	36.35	29.70	14.25	7.70	5.90	5.60	13.65	28.55
14	38.05	25.70	33.70	32.65	36.20	29.20	13.80	7.10	5.90	5.10	13.55	29.40
15	38.55	25.45	33.15	33.90	36.10	29.10	13.10	6.90	5.80	5.55	13.35	29.90
16	38.55	26.30	32.30	33.90	35.55	28.20	12.50	6.90	5.60	5.55	13.15	30.05
17	39.10	25.95	31.90	33.25	35.35	26.95	12.35	7.10	5.20	5.65	13.05	30.35
18	38.90	26.05	31.55	33.75	35.25	26.35	12.50	7.60	5.20	5.60	13.40	30.35
19	38.95	26.00	30.55	34.20	35.00	26.50	13.15	7.60	5.40	5.60	12.55	30.25
20	39.40	26.40	29.55	34.25	34.80	26.05	13.70	7.75	5.40	5.50	13.00	30.55
21	39.35	28.50	29.15	34.70	34.65	25.55	14.05	7.20	5.25	5.70	12.85	30.50
22	40.05	29.40	28.40	34.95	34.50	24.50	13.70	6.80	5.65	5.50	13.20	30.45
23	45.05	30.20	27.90	34.60	34.15	23.60	13.20	7.05	5.60	5.45	14.20	30.25
24	40.10	30.00	27.50	34.90	33.95	23.25	12.30	6.95	5.40	4.60	16.00	30.05
25	40.35	30.90	26.80	35.45	33.60	22.85	12.15	7.10	5.80	5.40	17.40	29.95
26	40.40	31.60	27.25	35.60	33.25	22.35	11.40	6.90	5.80	3.90	16.80	30.30
27	40.35	31.70	27.10	35.25	32.85	22.10	11.45	6.95	5.40	3.40	16.40	29.60
28	40.15	32.20	27.15	34.80	32.75	22.20	10.90	7.05	5.85	4.85	16.40	29.40
29	39.90	-----	27.30	36.00	32.60	22.45	10.45	7.00	6.05	4.55	16.05	28.80
30	39.40	-----	27.95	36.90	32.50	21.45	9.95	6.80	6.30	5.20	15.70	28.40
31	38.70	-----	28.85	-----	32.60	-----	9.45	6.90	-----	6.40	-----	27.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	37.40	29.99	31.24	32.90	35.52	27.56	14.51	7.65	6.20	5.45	13.83	26.51
MAX	45.05	37.45	34.70	36.90	38.75	32.30	20.85	9.10	7.80	6.40	17.40	30.55
MIN	29.00	25.45	26.80	29.40	32.50	21.45	9.45	6.80	5.20	3.40	7.60	15.95
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 22.36.

HIGHEST STAGE WAS 45.05 ON JAN 23.

LOWEST STAGE WAS 3.40 ON OCT 27.

## DAILY STAGE FOR 1991

ATCHAFALAYA RIVER AT BARBRE LANDING, LA.

LOCATION. LAT. 31-00-48, LONG. 91-44-25. ON LEFT BANK OF OLD RIVER OPPOSITE MOUTH OF RED RIVER, AT HEAD OF ATCHAFALAYA RIVER. (STA. 0301511.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. GAGE USUALLY READ BETWEEN SEVEN AND NINE A.M. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 48 FEET. MEAN LOW WATER STAGE, 7.1 FEET. STAGE IS AFFECTED BY THE DIVERSION OF WATER FROM MISSISSIPPI RIVER THROUGH OLD RIVER OUTFLOW CHANNEL. PRIOR TO 1975 GAGE ZERO WAS 3.81 FEET NGVD.

RECORDS AVAILABLE. STAGE, JUNE 15, 1880 TO DATE. DISCHARGE, 1851, 1858, 1873, 1879 TO 1882, AND 1885.

EXTREMES. HIGHEST, 61.51 FEET ON MAY 14, 1927. LOWEST, 0.96 FOOT ON JULY 16, 1964. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 E	29.15	37.40	32.80	29.30	37.40 E	32.50	21.00	9.10 E	7.30	6.50	8.20 E	16.20
2 E	29.85	36.80 E	33.35	29.40	37.50 E	32.20	20.55	9.10 E	7.40	6.60 E	8.90	16.90
3 E	30.65 E	36.30 E	33.60	29.60	37.50	31.90	20.00 E	8.80	7.80	6.30 E	10.70	19.15
4 E	32.15	35.80	33.70	29.80 E	38.00	31.70 E	19.30 E	8.80	7.50	6.15	13.70	20.60
5 E	34.05	35.00	34.10	30.30 E	38.60	31.50	18.75	8.50	7.30 E	6.10	14.10	20.60
6 E	34.65	33.80	34.30 E	30.40	38.90	31.30 E	18.60	8.80	7.00 E	5.60	14.50	20.80
7	34.80	32.30	34.50 E	30.50	37.80	31.45 E	18.15	8.80 E	7.00	5.60	15.20 E	21.50
8	35.50	31.05	34.50	30.60	37.85 E	31.40	17.55	8.60 E	7.25	6.20	14.70 E	22.40
9	36.00 E	28.30	34.60	31.25	37.20 E	31.30	16.30	8.40	7.50	6.00 E	14.20	23.20
10	36.70 E	27.60 E	34.60	31.50	36.90	31.00	15.60 E	8.00	6.90	5.80 E	14.05	25.40
11	37.50	27.00	34.50	31.85 E	36.80	30.70	15.30 E	7.80	6.70	5.65 E	13.80	27.00
12 E	37.65	26.70	34.30	32.20 E	36.45	30.45	14.90	8.00	6.50 E	5.85	13.30	28.30
13 E	38.00	26.30	34.10	32.40	36.50	29.90 E	14.40	7.90	6.15 E	5.65	13.60	28.80
14	38.30	25.90	33.85 E	33.10	36.60	29.35 E	13.60	7.35 E	6.30 E	5.45	13.70 E	29.60
15	38.70	25.90	33.25	34.10	36.30 E	28.70	13.10	7.00 E	6.10	5.50	13.70 E	30.10
16	38.65 E	26.45 E	32.30	33.95	35.60 E	28.10	12.60	7.20	6.00	5.65 E	13.25	30.20
17	39.00	26.35 E	31.90	33.40	35.50	27.00	12.50	7.50	5.50	5.95 E	13.45	30.55
18	39.40 E	26.15	31.60	33.85 E	35.30	26.30	12.70 E	7.50	5.80	6.10	13.45	30.40
19 E	39.40	26.05	30.60	34.35 E	35.10	26.20	13.25	7.70	5.60 E	5.80	12.70	30.20
20 E	39.80	27.00	29.80 E	34.15	34.90	26.10 E	13.80	7.40	5.45 E	5.70	13.00	30.70
21 E	40.00	28.80	29.25 E	34.45	34.70	25.60 E	14.10	7.30 E	5.50	6.00	13.40 E	30.60
22	40.10	29.50	28.50	35.00	34.50 E	24.50	13.80	7.00 E	5.70	5.60	14.00 E	30.50
23	40.20 E	30.40 E	28.00	34.70	34.20 E	24.00	13.30	7.30	5.80	5.20 E	15.40	30.30
24	40.20 E	30.80 E	27.60	35.10	34.00	23.50	12.80 E	7.35	5.50	4.90 E	16.60	29.90
25	40.50	31.20	26.90 E	35.60 E	33.70	23.00	12.00 E	7.25	5.80	4.30	17.05 E	30.30
26 E	40.50	31.70	27.30	35.75 E	33.40	22.40	11.35	7.00	6.00 E	4.50	16.90 E	30.60
27 E	40.50	32.10	27.40 E	35.60 E	33.00	22.20 E	11.35	7.00	6.40 E	4.50	16.50	29.80
28	40.40	32.40	27.30 E	35.60	32.90	22.35 E	11.05	7.20 E	6.00	5.20 E	16.60 E	29.40
29	40.00	-----	27.50	36.30	32.60 E	22.15	10.80	6.90 E	6.10	5.00	16.20 E	29.00
30	39.30	-----	28.10	37.10	32.60 E	21.45	10.30	7.00	6.40	5.70 E	15.80	28.55
31	38.45	-----	28.65	-----	32.70	-----	9.60 E	7.10	-----	6.70	-----	27.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	37.42	30.18	31.38	33.04	35.65	27.67	14.59	7.76	6.41	5.67	14.02	26.75
MAX	40.50	37.40	34.60	37.10	38.90	32.50	21.00	9.10	7.80	6.70	17.05	30.70
MIN	29.15	25.90	26.90	29.30	32.60	21.45	9.60	6.90	5.45	4.30	8.20	16.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 22.50.

HIGHEST STAGE WAS 40.50 ON JAN 25 AND LATER DATE(S).

LOWEST STAGE WAS 4.30 ON OCT 25.

## DAILY STAGE FOR 1991

## ATCHAFALAYA RIVER AT SIMMESPORT, LA.

LOCATION. LAT. 30-58-57, LONG. 91-47-54. ON RAILWAY BRIDGE NEAR RIGHT BANK, 4.9 MILES (1963 SURVEY) FROM HEAD OF RIVER. THE HEAD OF ATCHAFALAYA RIVER IS AT THE CONFLUENCE OF RED AND LOWER OLD RIVERS. (STA. 03045128.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

DISCHARGE RANGE. ABOUT THREE AND A HALF MILES DOWNSTREAM FROM BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, NOT INCLUDING MISSISSIPPI RIVER, ABOUT 87,570 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 46 FEET. MEAN LOW WATER STAGE, 6.9 FEET. THE DISCHARGE IS COMPOSED OF RED RIVER FLOW AND CONTROLLED DIVERSION OF THE MISSISSIPPI RIVER (MILE 314.6) THROUGH OLD RIVER OUTFLOW CHANNEL. ZERO OF GAGE PRIOR TO DEC. 1904 WAS 3.81 FEET, NGVD. FROM 1905 TO 1975 GAGE ZERO WAS 5.73 FEET, NGVD.

RECORDS AVAILABLE. STAGE, MAY 1, 1887 TO MAY 15, 1892, AND DEC. 1, 1903 TO DATE (NO RECORD OF STAGES BELOW 30 FEET FROM JAN. 16, 1915 TO NOV. 1919, AND BELOW 34 FEET FROM DEC. 1919 TO 1927). DISCHARGE, 1851 INTERMITTENTLY TO DATE. COMPUTED DAILY, SINCE 1928.

EXTREMES. HIGHEST, 59.13 FEET ON MAY 16, 1927. LOWEST, 0.70 FOOT ON OCT. 17, 1976. MAXIMUM, 781,000 CFS OBSERVED ON MAY 12, 1973 (STAGE 54.43 NGVD). MINIMUM, 10,500 CFS COMPUTED FOR JUNE 24, 1964 (STAGE, 1.41 NGVD). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1966 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	26.51	35.05	30.20	27.10	34.75	30.30	19.30	7.82	6.10	5.13	7.20	14.43
2	27.15	34.38	30.80	27.15	34.80	30.00	18.79	7.80	6.28	5.33	8.80	14.85
3	28.25	33.85	31.00	27.30	34.95	29.79	18.20	7.39	6.62	5.10	11.00	17.15
4	29.80	33.30	31.15	27.50	35.50	29.60	17.60	7.33	6.29	4.80	12.22	18.50
5	31.70	32.65	31.53	27.90	35.80	29.38	17.05	7.09	6.03	4.90	12.63	18.55
6	32.30	31.50	31.72	28.25	36.10	29.20	16.84	7.35	5.85	4.31	12.95	18.90
7	32.45	30.01	31.90	28.30	35.15	29.45	16.25	7.35	6.01	4.31	13.60	19.55
8	32.95	28.60	32.00	28.30	35.25	29.35	15.85	7.20	6.25	4.95	13.10	20.50
9	33.45	26.00	32.10	28.85	34.60	29.20	14.70	7.09	6.10	4.79	12.60	21.19
10	34.25	25.33	32.00	29.00	34.30	28.95	14.02	6.74	5.71	4.53	12.45	23.21
11	35.05	24.80	31.92	29.50	34.25	28.60	13.70	6.73	5.39	4.50	12.20	24.80
12	35.10	24.48	31.80	29.73	33.90	28.35	13.30	6.70	5.19	4.69	11.70	26.10
13	35.40	24.13	31.60	29.99	34.05	27.89	12.80	6.60	4.85	4.45	12.15	26.58
14	35.65	23.79	31.30	30.43	34.00	27.30	12.29	5.85	5.00	4.35	12.20	27.20
15	36.02	23.60	30.80	31.60	33.70	26.75	11.50	5.77	4.70	4.29	12.38	27.69
16	35.95	24.22	29.90	31.40	33.20	26.02	11.10	5.89	4.65	4.60	11.94	27.88
17	36.35	24.10	29.60	31.00	33.10	25.00	11.02	6.40	4.20	4.65	11.79	28.15
18	36.60	23.92	29.20	31.35	32.95	24.40	11.20	6.32	4.45	4.90	11.85	27.98
19	36.60	23.80	28.28	31.90	32.78	24.30	11.65	6.38	4.30	4.61	11.10	27.88
20	36.95	24.73	27.55	32.00	32.55	24.30	12.25	6.10	4.10	4.54	11.36	28.35
21	37.30	26.40	26.90	32.30	32.40	23.65	12.52	5.90	4.20	4.75	11.62	28.24
22	37.20	27.30	26.45	32.50	32.20	22.52	12.19	5.78	4.32	4.31	12.32	28.10
23	37.50	28.18	25.85	32.32	32.00	22.10	11.68	6.05	4.49	3.85	13.48	28.24
24	37.60	28.52	25.45	32.68	31.79	21.70	11.13	6.10	4.30	3.70	14.65	27.73
25	37.90	28.80	24.80	33.15	31.50	21.20	10.50	5.95	4.50	3.22	15.18	27.92
26	37.80	29.20	25.25	33.23	31.19	20.58	10.00	5.81	4.85	3.41	15.02	28.18
27	37.80	29.60	25.30	32.90	30.80	20.40	10.00	5.80	5.23	3.43	14.55	27.48
28	37.70	29.89	25.12	32.85	30.70	20.60	9.68	6.00	4.80	3.99	14.70	26.70
29	37.30	-----	25.39	33.75	30.40	20.34	9.38	5.72	4.91	3.90	14.30	26.70
30	36.70	-----	26.00	34.55	30.50	19.89	8.88	5.80	5.12	4.60	13.94	26.40
31	35.90	-----	26.70	-----	30.60	-----	8.30	5.91	-----	5.55	-----	25.51

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	34.81	27.86	29.02	30.63	33.22	25.70	13.02	6.47	5.16	4.47	12.50	24.54
MAX	37.90	35.05	32.10	34.55	36.10	30.30	19.30	7.82	6.62	5.55	15.18	28.35
MIN	26.51	23.60	24.80	27.10	30.40	19.89	8.30	5.72	4.10	3.22	7.20	14.43
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 20.58.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 37.90 AT 7:00 A.M. ON JAN 25.

LOWEST STAGE WAS 2.90 ON OCT 25.

DAILY FLOW FOR 1991  
 ATCHAFALAYA RIVER AT SIMMESPORT, LA.--CONTINUED  
 COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	362	512	393	342	484	396	232	112	97	89	100	187
2	373	480	402	343	486	390	227	112	98	91	105	195
3	387	460	407	347	486	385	220	108	101	88	120	219
4	411	448	409	349	498	382	212	107	98	88	151	236
5	447	435	416	357	514	377	205	105	97	87	155	236
6	458	413	420	358	522	375	203	107	95	82	167	240
7	461	387	424	360	494	377	198	107	94	82	175	247
8	471	366	425	361	498	377	192	106	97	88	170	258
9	481	328	428	370	482	375	178	104	97	86	164	268
10	498	319	427	373	475	371	171	102	93	83	162	294
11	514	311	424	380	475	365	168	101	91	82	159	315
12	515	308	422	386	468	362	163	102	89	78	154	332
13	522	303	416	388	468	354	157	101	86	76	159	338
14	527	298	413	400	470	347	148	97	88	74	160	349
15	535	298	402	416	466	339	145	94	85	75	160	357
16	534	306	387	415	450	331	141	96	84	77	153	358
17	543	304	380	405	447	316	140	98	81	78	156	362
18	550	302	375	413	445	307	141	98	82	80	156	360
19	549	300	361	422	440	306	146	100	82	78	148	359
20	557	312	349	418	437	304	152	98	80	77	151	364
21	564	335	342	424	434	298	154	96	82	80	156	366
22	566	345	333	435	429	283	152	94	82	75	162	363
23	566	357	325	428	424	277	147	97	83	71	175	360
24	566	363	320	436	420	272	142	97	82	69	190	354
25	574	368	311	447	415	265	136	97	83	65	196	360
26	573	375	316	449	409	258	130	94	86	67	194	362
27	573	383	317	442	402	257	131	94	89	67	189	351
28	570	387	316	442	400	258	127	97	85	73	191	342
29	561	-----	318	457	396	249	125	93	86	72	187	341
30	549	-----	325	477	396	238	121	94	88	77	182	334
31	531	-----	333	-----	397	-----	116	96	-----	86	-----	323

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	513	361	375	401	452	326	162	100	89	79	162	314
MAX	574	512	428	477	522	396	232	112	101	91	196	366
MIN	362	298	311	342	396	238	116	93	80	65	100	187
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 TOTAL FOR YEAR WAS 101,470,000 DSF.  
 THE MEAN FLOW FOR THE YEAR WAS 278,000 DSF.  
 MAXIMUM DAILY DISCHARGE WAS 574,000 DSF ON JAN 25.  
 MINIMUM DAILY DISCHARGE WAS 65,000 DSF ON OCT 25.

## DAILY STAGE FOR 1991

## ATCHAFALAYA RIVER AT MELVILLE, LA.

LOCATION. LAT. 30-41-26, LONG. 91-44-10. TEXAS AND PACIFIC RAILROAD BRIDGE 29.5 MILES (1963 SURVEY)  
FROM HEAD OF RIVER. (STA. 0306012B.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT TYPE.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 41 FEET. MEAN LOW WATER STAGE  
6.3 FEET. PRIOR TO 1975 GAGE ZERO WAS 0.18 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, 1885 TO DATE.

EXTREMES. HIGHEST, 46.98 FEET ON MAY 14 TO 16, 1927. LOWEST, 0.80 FOOT ON JAN. 19, 1981.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	20.6	28.4	24.1	21.3	27.9	24.5	15.2	5.5	4.4	3.7	5.0 E	10.7
2	21.1	27.7	24.4	21.4	28.0	24.3	14.8	5.4	4.5	4.0	5.7 E	11.2
3	22.1	27.4	24.8	21.5	28.0 E	24.2	14.4	5.2	4.7	3.9 E	6.8 E	13.0
4	23.3	26.9	24.9	21.7	28.4	23.9	13.7	5.1	4.5	3.8	8.3 E	14.1
5	25.0	26.3	25.1	22.0	28.8 E	23.7	13.2	5.0	4.4	3.7	8.8 E	14.2
6	25.6	25.3	25.3	22.3	29.1	23.4	13.1	5.1	4.3 E	3.2	9.2 E	14.4
7	25.7	24.1	25.5	22.3	28.4 E	23.6	12.8	5.1	4.4	3.1	9.7 E	15.0
8	26.2	23.0	25.6	22.3 E	28.5	23.5	12.4	5.0	4.5	3.6 E	9.4 E	15.8
9	26.6	21.2	25.6	22.7	28.1 E	23.5	11.5	4.9	4.4	3.5 E	9.0	16.5
10	27.5	20.5	25.6	23.0	27.9 E	23.3	10.9	4.7	4.2	3.4 E	8.9	18.1
11	28.2	20.1	25.5	23.3	27.9 E	23.1	10.7	4.5	4.3	3.3 E	8.6	19.5
12	28.3	19.7	25.4	23.6	27.6 E	22.9	10.4	4.6 E	4.1	3.5 E	8.3	20.4
13	28.5	19.5	25.3	23.6	27.6 E	22.5 E	10.0	4.5 E	3.8	3.2	8.8	20.9
14	28.8	19.1	25.1	24.0	27.6	21.9 E	9.5	4.1 E	3.9	3.2	8.9 E	21.5
15	29.2	18.9	24.6	25.0	27.4	21.3 E	9.0	4.0 E	3.7	3.2	8.9 E	22.0
16	29.2	19.2	23.9	25.1	27.0 E	20.8	8.3	4.2 E	3.7	3.2	8.8	22.1
17	29.4	19.2	23.6	24.7	26.9 E	19.9	8.2	4.5 E	3.4	3.2	8.8	22.3
18	29.6 E	19.0	23.4	25.0	26.8	19.4	8.2	4.5 E	3.5	3.4	8.8	22.3
19	29.7 E	19.0	22.6	25.4	26.6	19.4	8.6	4.4 E	3.4	3.2 E	8.3	22.2
20	30.0	19.8	22.0	25.6	26.5	19.3	8.9	4.2 E	2.9	3.2	8.6	22.5
21	30.2	20.8	21.6	25.8	26.4	18.9	9.1	4.1 E	3.0	3.4	8.6	22.5
22	30.3	21.7	21.0	26.0	26.1	18.1	9.0	3.9 E	3.3	3.1	8.9	22.3
23	30.4 E	22.3	20.6 E	26.0	25.9	17.5	8.6	4.0 E	3.5 E	3.0 E	9.7	22.3
24	30.5 E	22.7	20.2	26.1	25.7	17.2	8.2	4.0 E	3.3 E	2.9 E	10.6	22.2
25	30.7 E	23.0	19.5	26.5	25.4	16.8	7.7	4.1 E	3.5	2.8 E	11.1	22.0
26	30.7	23.2	19.9	26.6	25.2	16.4	7.2	4.0	3.2	2.8 E	11.2	22.3
27	30.6	23.5	20.0	26.4	25.0	16.2	7.2	4.0	3.6	2.8 E	10.9	21.9
28	30.6	23.7	19.9	26.3	24.7	16.3	7.0	4.2	3.4	3.1	11.0	21.5
29	30.3	-----	20.0	27.0	24.5	16.1	6.7	4.1	3.5	3.2 E	10.7	21.3
30	29.8	-----	20.4	27.7	24.5	15.7	6.3	4.1	3.7	3.5 E	10.4	21.1
31	29.1	-----	21.0	-----	24.6	-----	5.9	4.2	-----	4.0	-----	20.5

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	28.0	22.3	23.1	24.3	26.9	20.6	9.9	4.5	3.8	3.3	9.0	19.3
MAX	30.7	28.4	25.6	27.7	29.1	24.5	15.2	5.5	4.7	4.0	11.2	22.5
MIN	20.6	18.9	19.5	21.3	24.5	15.7	5.9	3.9	2.9	2.8	5.0	10.7
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 16.2.

HIGHEST STAGE WAS 30.7 ON JAN 25 AND LATER DATE(S).

LOWEST STAGE WAS 2.8 ON OCT 25 AND LATER DATE(S).

## DAILY STAGE FOR 1991

## ATCHAFALAYA RIVER AT KROTZ SPRINGS, LA.

LOCATION. LAT. 30-32-07, LONG. 91-44-48. ON RIGHT BANK AT TENNECO OIL COMPANY WHARF, 41.3 MILES (1963 SURVEY) FROM HEAD OF RIVER AND 1,000 FEET DOWNSTREAM FROM MISSOURI PACIFIC RAILROAD BRIDGE. (STA. 0307512B.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 37 FEET. MEAN LOW WATER STAGE, 6.1 FEET. ZERO OF GAGE, FROM 1935 THRU 1943 AND 1950 WAS MINUS 20.00 FEET, NGVD, 1944 THRU 1949 MINUS 0.03 FOOT, NGVD, 1951 TO DATE ZERO, NGVD.

RECORDS AVAILABLE. STAGE, 1912 TO DATE. DISCHARGE, OCT. 1934 TO SEPT. 1964 IN REPORTS OF U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 38.5 FEET ON MAY 15, 1927. LOWEST, 0.90 FOOT ON OCT. 18, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.10	24.65	21.09	18.65	24.40	21.40	13.39	4.70	4.15	3.45 E	4.80	9.60
2	18.50	24.10	21.43	18.71	24.55	21.23	13.02	4.75	4.25	3.78 E	5.20	9.90
3	19.30	23.75	21.70	18.85	24.60	21.08	12.55	4.58	4.35	3.71 E	6.30	11.30
4	20.30	23.30	21.80	19.00	25.10	20.95	12.01	4.48	4.15	3.59	7.46	12.20
5	21.90	23.00	22.00	19.35	25.40	20.77	11.60	4.50	4.10	3.50	7.50	12.40
6	22.30	22.20	22.15	19.60	25.45	20.60	11.49	4.62	4.00	2.58	7.90	12.50
7	22.50	21.30	22.35	19.64	24.80	20.71	11.18	4.60	4.00	2.60 E	8.60	12.90
8	22.90	20.30	22.40	19.60	24.95	20.59	11.09	4.58	4.09	3.50 E	8.40	13.50
9	23.30	18.90	22.49	19.98	24.64	20.52	10.19	4.49	3.90	3.40	8.10	14.10
10	24.00	18.30	22.43	20.25	24.45	20.35	9.60	4.20	3.77	3.22	8.00	15.70
11	24.60	17.78	22.32	20.50	24.40	20.12	9.25	4.02	3.64	3.18	7.90	17.00
12	24.60	17.40	22.25	20.80	24.19	19.98	8.90	4.10	3.60	3.29	7.50	17.80
13	24.90	17.21	22.20	20.88	24.13	19.61	8.50	3.98	3.33	3.02	7.88	18.20
14	25.10	16.90	21.92	21.25	24.12	19.20	7.99	3.60	3.48	3.00	7.93	18.60
15	25.40	16.81	21.58	21.89	24.10	18.80 E	8.00	3.65	3.37	2.88	7.98	19.00
16	25.40	17.00	20.89	21.90	23.52	18.30	7.40	3.71	3.29	2.80	7.68	19.20
17	25.60	16.99	20.69	21.60	23.38	17.60	7.31	4.10	3.15	2.82	7.70	19.40
18	25.80	16.85	20.32	21.92	23.30	17.20	7.40	4.10	3.20	3.01	7.80	19.40
19	25.90	16.80	19.80	22.30	23.20	17.20	7.75	4.05	3.10	2.77	7.30	19.40
20	26.20	17.30	19.30	22.48	23.15	17.09	8.02	3.89	2.38	2.80	7.51	19.60
21	26.30	18.30	18.90	22.65	23.09	16.62	8.25	3.72	2.71	3.03	7.60	19.70
22	26.40	19.00	18.50	22.79	22.81	15.89	7.99	3.58	2.90	2.81	7.93	19.60
23	26.49	19.50	18.10	22.73	22.65	15.30	7.60	3.73	3.08	2.73	8.68	19.50
24	26.51	19.80	17.80	22.90	22.43	15.23	7.20	3.75	3.05	2.89	9.50	19.50
25	26.75	20.05	17.20	23.30	22.22	14.80	6.72	3.68	3.10	2.68	10.01	19.38
26	26.80	20.35	17.48	23.40	21.93	14.43	6.20	3.60	2.95	2.81	10.10	19.60
27	26.75	20.56	17.60	23.25	21.68	14.19	6.14	3.70	3.30	2.95	9.70	19.20
28	26.70	20.82	17.44	23.20	21.50	14.30	5.89	3.80	3.18	3.48	9.80	18.75
29	26.40	-----	17.59	23.60	21.60	14.09	5.90	3.69	3.35	3.45	9.60	18.70
30	26.05	-----	17.98	24.20	21.50	13.78	5.50	3.63	3.43 F	3.60	9.40	18.48
31	25.40	-----	18.40	-----	21.62	-----	5.10	3.98	-----	4.01	-----	17.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	24.42	19.61	20.26	21.37	23.51	18.06	8.68	4.05	3.48	3.14	8.06	16.84
MAX	26.80	24.65	22.49	24.20	25.45	21.40	13.39	4.75	4.35	4.01	10.10	19.70
MIN	18.10	16.80	17.20	18.65	21.50	13.78	5.10	3.58	2.38	2.58	4.80	9.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 14.26.

HIGHEST STAGE WAS 26.80 AT 8:00 A.M. ON JAN 26.

LOWEST STAGE WAS 2.09 ON OCT 25.

## DAILY STAGE FOR 1991

## ATCHAFALAYA RIVER AT ATCHAFALAYA, LA.

LOCATION. LAT. 30-20-46, LONG. 91-43-18. ON RIGHT BANK 59.3 MILES (1963 SURVEY) FROM HEAD OF RIVER. (STA. 03090120.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 28 FEET. MEAN LOW WATER STAGE, 5.6 FEET. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.16 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, JAN. 1, 1931 TO DATE. FROM FEB. 1951 TO DEC. 1958, GAGE WAS ABOUT 0.8 MILE UPSTREAM. DISCHARGE, INTERMITTENTLY, 1945 TO 1950 AND 1953 TO 1979.

EXTREMES. HIGHEST, 30.22 FEET ON MAY 5, 1950. LOWEST, 0.40 FOOT ON JAN. 17, 1981. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.61	21.70	18.11 E	16.00 E	19.40	17.80	11.40	4.45	3.52 E	3.50	4.50 E	8.50
2	16.00	21.26	18.42 E	16.10 E	19.60	17.40	11.38	4.40	3.56	3.40	4.53	8.93
3	16.69	20.87	18.74 E	16.20 E	19.60	17.35	11.00	4.32	3.50	3.37	5.50	9.60
4	17.52	20.50	18.80 E	16.30 E	19.70	17.20	10.72	4.30	3.40	3.13	6.20	10.10
5	18.76	20.06	18.86 E	16.40 E	20.00	17.10	10.55	4.10	3.56	3.02	6.90	10.24
6	19.14	19.45	18.94 E	16.50 E	20.10	16.95	10.40	4.05	3.55 E	2.50	7.13	10.62
7	19.37	18.74	19.14 E	16.60 E	19.80	16.85	10.23	4.05	3.61 E	2.40	7.50	11.00
8	19.75	17.99	19.21 E	16.60 E	19.80	16.80	10.90	4.05 E	3.70 E	2.50 E	7.60	11.50
9	20.09	16.87	19.25 E	16.80 E	19.70	16.75	9.45	4.00 E	3.70 E	2.50	7.40	12.23
10	20.60	16.34	19.25 E	17.00 E	19.60	16.80	9.05	3.95 E	3.50 E	2.50 E	7.20	12.90
11	21.13	15.99	19.17 E	17.10 E	19.50	16.80	8.75	3.80 E	3.50 E	2.40 E	7.10	13.60
12	21.28	15.69	19.08 E	17.30	19.38	16.75	8.40	3.60 E	3.50	2.50 E	6.90	14.23
13	21.48	15.42	19.03 E	17.30	19.43	16.70	8.10	3.45 E	3.30	2.60 E	7.00	14.45
14	21.66	15.22	18.89 E	17.50	19.51	16.53 E	7.50	3.40 E	3.40 E	2.60 E	7.00	15.10
15	21.90	15.15	18.69 E	18.00	19.60	16.25	7.10	3.40 E	3.20 E	2.50 E	7.00	15.23
16	21.95	15.20	18.23 E	18.00	19.41	15.90 E	6.60	3.50 E	3.20 E	2.40 E	6.90	15.51
17	22.11	15.16	18.08 E	17.90	19.32 E	15.30 E	6.50	3.60 E	3.00	2.40 E	6.90	15.80
18	22.27	15.00	17.93 E	18.00	19.24	14.60 E	6.40	3.61 E	2.90	2.50 E	7.00	15.81
19	22.34	14.99	17.47 E	18.20	19.24	14.40 E	6.60	3.52 E	2.80 E	2.50 E	6.80	15.90
20	22.54	15.45	17.06 E	18.30	19.00	14.30 E	6.60	3.43 E	2.30	2.30 E	6.80	16.10
21	22.74	16.03	16.75 E	18.40	18.95	14.20	6.92	3.25 E	2.40	2.46 E	6.80	16.14
22	22.82	16.52	16.40 E	18.50	18.85	13.80	6.71	3.20 E	2.60	2.60 E	7.10	16.23
23	22.85	17.02	16.14 E	18.50	18.75	13.40	6.50	3.00 E	2.80	2.54 E	7.60	16.37
24	22.99	17.21	15.85 E	18.60	18.61	13.15	6.10	3.38 E	2.80	2.55 E	8.00	16.30
25	23.14	17.38	15.40 E	18.80	18.50	12.70	5.80	3.52 E	2.90	2.60 E	8.40 E	16.30
26	23.18	17.62	15.47 E	18.90	18.60	12.40	5.60	3.56 E	2.70	2.90 E	8.50 E	16.40
27	23.10	17.73	15.46 E	18.80	18.50	12.10	5.51	3.50 E	3.00	2.90 E	8.50	16.10
28	23.12	17.94	15.37 E	18.80	18.45	11.92	5.40	3.40 E	3.00	3.21 E	8.50	15.70
29	22.90	----- E	15.40 E	19.10	18.00	11.90	5.10	3.56 E	3.00	3.38 E	8.40 E	15.70
30	22.62	----- E	15.60 E	19.40	17.80	11.70 E	4.80	3.55 E	3.10	3.42 E	8.30 E	15.50
31	22.25	----- E	15.90	-----	17.90	-----	4.50	3.61	-----	3.50	----- E	15.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.09	17.30	17.62	17.66	19.16	15.19	7.76	3.69	3.17	2.76	7.13	13.98
MAX	23.18	21.70	19.25	19.40	20.10	17.80	11.40	4.45	3.70	3.50	8.50	16.40
MIN	15.61	14.99	15.37	16.00	17.80	11.70	4.50	3.00	2.30	2.30	4.50	8.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 12.19.

HIGHEST STAGE WAS 23.19 AT 5:00 A.M. ON JAN 26.

LOWEST STAGE WAS 2.30 ON SEP 20 AND LATER DATE(S).

## DAILY STAGE FOR 1991

ATCHAFALAYA RIVER AT BUTTE LA ROSE, LA.

LOCATION. LAT. 30-16-57, LONG. 91-41-17. ON RIGHT BANK 64.8 MILES (1963 SURVEY) FROM HEAD OF RIVER, 600 FEET NORTH OF BOAT LAUNCHING RAMP. (STA. 03120120.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 18 FEET. MEAN LOW WATER STAGE, 5.17 FEET. PRIOR TO OCT. 17, 1967, GAGE WAS LOCATED ON LEFT BANK. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.30 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAY 29, 1928 TO DATE.

EXTREMES. HIGHEST, 27.28 FEET ON MAY 23, 1973. LOWEST, 0.33 FOOT ON OCT. 17, 1976. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.10	18.63	15.94	14.00	18.18	16.53	10.81	3.79	3.40	2.89	4.05	7.45
2	13.62	18.57	16.19	14.09	18.30	16.44	10.50	3.83	3.57	3.20	4.03	7.70
3	14.10	18.25	16.45	14.15	18.34	16.30	10.20	3.77	3.70	3.20	5.07	8.45
4	14.95	18.00	16.50	14.25	18.54	16.15	9.90	3.67	3.37	3.10	5.07	9.25
5	16.10	17.65	16.60	14.45	18.58	16.05	9.53	3.60	3.45	2.97	6.15	9.59
6	16.45	17.25	16.69	14.55	18.89	15.94	9.44	3.57	3.37	2.20	6.40	9.95
7	16.60	16.70	16.85	14.65	18.65	15.95	9.24	3.57	3.41	2.17	6.70	10.16
8	17.04	16.00	16.90	14.70	18.74	15.84	9.05	3.56	3.40	2.75	6.85	10.62
9	17.30	15.00	16.95	14.85	18.63	15.84	8.45	3.49	3.35	2.78	6.55	11.07
10	17.90	14.46	16.92	15.07	18.61	15.84	8.05	3.27	3.25	2.65	6.47	11.85
11	18.30	14.15	16.91	15.18	18.50	15.57	7.78	3.15	3.28	2.68	6.35	12.48
12	18.35	13.85	16.85	15.40	18.35	15.50	7.49	3.23	3.30	2.74	6.15	13.15
13	18.57	13.62	16.76	15.45	18.30	15.30	7.17	3.00	3.10	2.54	6.17	13.40
14	18.75	13.42	16.68	15.65	18.31	15.07	6.80	2.85	3.18	2.55	6.20	13.82
15	19.02	13.25	16.45	16.26	18.27	14.81	6.44	2.85	3.12	2.60	6.21	14.05
16	19.07	13.28	16.10	16.35	18.09	14.49	6.10	2.98	2.98	2.44	6.10	14.35
17	19.12	13.28	15.95	16.27	17.98	14.10	5.82	3.19	2.75	2.44	6.07	14.60
18	19.22	13.10	15.83	16.45	17.93	13.70	5.95	3.23	2.78	2.60	6.20	14.66
19	19.34	13.00	15.42	16.70	17.87	13.56	6.10	3.10	2.51	2.45	5.95	14.69
20	19.44	13.49	15.06	16.85	17.74	13.45	6.15	2.95	2.00	2.44	5.96	14.85
21	19.70	14.00	14.75	16.99	17.71	13.20	6.30	2.70	2.15	2.50	6.03	14.93
22	19.73	14.45	14.40	17.08	17.60	12.74	6.25	2.64	2.44	2.50	6.20	14.94
23	19.75	14.87	14.18	17.14	17.49	12.37	6.04	2.69	2.58	2.50	6.65	14.98
24	19.84	15.06	13.92	17.20	17.39	12.15	5.78	2.70	2.65	2.55	7.00	14.95
25	19.89	15.22	13.54	17.30	17.31	11.90	5.42	2.84	2.54	2.56	7.52	14.85
26	19.92	15.44	13.60	17.44	17.16	11.60	5.05	2.94	2.39	2.56	7.63	14.95
27	19.88	15.56	13.60	17.50	16.98	11.48	4.96	2.92	2.70	2.58	7.57	14.85
28	19.65	15.76	13.52	17.49	16.83	11.41	4.67	3.08	2.70	3.14	7.56	14.65
29	19.55	-----	13.54	17.65	16.74	11.34	4.60	3.07	2.70	3.20	7.46	14.65
30	19.20	-----	13.70	18.10	16.64	11.10	4.35	3.05	2.90	3.26	7.39	14.40
31	18.84	-----	13.90	-----	16.58	-----	4.07	3.17	-----	3.35	-----	14.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.14	15.19	15.50	15.97	17.91	14.19	7.05	3.18	2.97	2.71	6.34	12.85
MAX	19.92	18.63	16.95	18.10	18.89	16.53	10.81	3.83	3.70	3.35	7.63	14.98
MIN	13.10	13.00	13.52	14.00	16.58	11.10	4.07	2.64	2.00	2.17	4.03	7.45
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 10.97.

HIGHEST STAGE WAS 19.92 ON JAN 26.

LOWEST STAGE WAS 2.00 ON SEP 20.

## DAILY STAGE FOR 1991

## BAYOU LA ROMPE AT LAKE LONG (LA.)

LOCATION. LAT. 30-13-29, LONG. 91-35-18. TOWER ON RIGHT BANK OF BAYOU LA ROMPE 400 FEET UPSTREAM OF LAKE LONG. (STA. 0321012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1945 AND 1959 TO 1962. DAILY, JAN. 1971 TO MAR. 14, 1973 AND OCT. 24, 1974 TO DATE.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 22.84 FEET ON APR. 18, 1975. LOWEST, 1.50 FEET ON NOV. 11, 1987.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.16	18.21	15.65	13.88	17.60	16.16		4.59	4.16	3.66 F	4.78	7.80
2	13.49	17.94	15.81	13.93	17.69	16.05		4.64	4.25		4.68	8.05
3	14.02	17.69	16.10	14.02	17.72	15.92		4.58	4.40		5.75	8.74
4	14.65	17.47	16.16	14.10	17.86	15.80		4.53	4.29	F	6.16	9.44
5	15.62	17.28	16.24	14.26	18.01	15.70		4.49	4.27	F	6.45	9.70
6	15.96	16.87	16.33	14.38	18.17	15.59		4.52	4.21	F	6.69	9.90
7	16.19	16.36	16.44	14.46	18.00	15.60		4.52 F	4.23			10.23
8	16.46	15.73	16.49	14.52	18.07	15.53		4.49 F	4.23	F	6.90	10.66
9	16.76	14.91	16.55	14.65	17.96	15.50	F	4.55 F	4.12		6.84	11.03
10	17.25	14.43	16.54	14.80	18.05 F	15.44		4.25 F	4.07		6.75	11.73
11	17.64	14.08	16.53	14.94	17.89	15.34		3.98 F	4.01		6.64	12.39
12	17.70	13.82	16.46	15.13	17.76	15.25	F	3.90	4.00		6.43	12.97
13	17.87	13.62	16.44	15.20	17.71 F	14.93		4.09	3.86		6.47	13.20
14	18.00	13.41	16.35	15.36	17.69	14.85		3.71	3.92		6.50	13.59
15	18.20	13.29	16.15	15.87	17.74 F	14.60		3.80	3.87	F	6.55	13.82
16	18.24	13.24	15.80	16.00	17.53	14.35	F	3.82	3.80	3.17	6.39	14.01
17	18.34	13.24	15.70	15.93	17.44	14.00		4.14	3.54	3.22	6.40	14.20
18	18.39	13.15	15.55	16.13	17.36	13.70		4.18	3.56	3.34	6.46	14.30
19	18.49	13.12	15.20	16.30	17.28	13.56		3.99	3.48	3.13	6.24	14.39
20	18.60	13.44	14.85	16.43	17.19	13.44		3.87	2.75	3.22	6.44	14.54
21	18.65	13.86	14.59	16.55	17.17	13.22		3.80	3.06	3.30	6.38	14.65
22	18.75	14.28	14.31	16.64	17.05	12.84		3.66	3.25	3.20 F	6.80	14.65
23	18.75	14.59	14.07	16.66	16.94	12.53 F	6.73	3.69	3.38	3.15 F	7.03	14.68
24	18.86	14.79	13.85	16.72	16.88	12.29	6.44	3.74	3.39	3.36	7.40	14.70
25	18.95	14.93	13.51	16.87	16.77	12.08	6.14	3.70	3.40	3.29	7.78	14.66
26	18.96	15.10	13.53	16.95	16.66		5.80	3.70	3.12	3.35	7.99	14.76
27	19.00	15.25	13.51	17.04	16.50		5.70	3.80	3.43	3.53	7.89	14.65
28	18.97	15.41	13.45	17.00	16.40		5.56	3.86	3.39	3.98	7.90	14.47
29	18.85	-----	13.53	17.17 F	16.33		5.36	3.80	3.52	3.93	7.84	14.39
30	18.70	-----	13.59	17.50	16.25		5.11	3.78	3.62	4.10	7.75	14.25
31	18.50	-----	13.75	-----	16.24	-----	4.85	3.99	-----	4.15	-----	13.97

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.48	14.98	15.26	15.65	17.35	14.57	5.74	4.07	3.75	3.48	6.70	12.73
MAX	19.00	18.21	16.55	17.50	18.17	16.16	6.73	4.64	4.40	4.15	7.99	14.76
MIN	13.16	13.12	13.45	13.88	16.24	12.08	4.85	3.66	2.75	3.13	4.68	7.80
DAYS	31	28	31	30	31	25	9	31	30	17	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 323

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 11.59.

HIGHEST STAGE WAS 19.01 AT 1:30 A.M. ON JAN 28.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 2.74 ON SEP 20.

## DAILY STAGE FOR 1991

## WHISKEY BAY PILOT CHANNEL BELOW HEAD (LA.)

LOCATION. LAT. 30-23-35, LONG. 91-39-59. TOWER ON RIGHT BANK, 600 FEET BELOW JUNCTION WITH ATCHAFALAYA RIVER, 55.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 03240120.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 6, 1958 TO JUN. 20, 1973 AND JAN. 9, 1976 TO DATE.

EXTREMES. HIGHEST, 30.00 FEET ON MAY 22, 1973. LOWEST, 0.48 FOOT ON OCT. 17, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.24		18.05	15.95	20.67	18.44	11.90				4.40	8.35
2	15.64		18.33	16.00	20.77	18.30	11.64				4.53	8.65
3	16.33		18.63	15.94	20.75	18.14	11.32					9.60
4	17.28		18.70	16.18		17.99	10.90					10.55
5	18.60		18.80	16.45		17.86	10.58			F	6.88	10.80
6		18.64	18.85	16.60		17.75	10.52				7.16	11.06
7		18.45	19.08	16.65		17.78	10.26				7.55	11.40
8		17.66	19.15	16.70		17.68	9.95				7.60	11.96
9		16.49	19.20	16.90		17.67	9.32				7.31	12.39
10		15.94	19.16	17.16 F	20.79	17.52	8.87			F	2.71	13.40
11		15.60	19.10	17.30	20.76	17.35	8.60				2.88	14.30
12		15.31	18.98	17.54	20.65	17.24	8.32		F	3.36	2.99	15.05
13		15.08	18.95	17.60	20.60	17.00	7.95				2.76	15.33
14		14.88	18.79	17.84	20.60	16.73	7.59				2.75	15.80
15		14.79	18.50	18.55	20.64	16.40	7.16				2.81	16.12
16		14.86	18.05	18.62	20.20	16.05	6.85				2.74	16.30
17		14.81	17.85	18.40	20.12	15.58	6.69				2.74	16.50
18		14.69	17.72	18.70	20.07	15.18	6.70				2.90	16.57
19		14.65	17.20	18.95	19.95	15.08	6.86				2.67	16.65
20		15.10	16.77	19.15	19.85	14.94	7.00				2.75	16.76
21		15.79	16.45	19.27	19.80	14.64	7.19				2.85	16.79
22		16.34	16.08	19.37	19.65	14.11	7.10				2.74	16.75
23		16.83	15.78	19.40	19.53	13.73	6.86				2.66	16.77
24		17.02	15.50	19.49	19.40	13.48	6.54				2.84	16.69
25		17.20	15.05	19.70	19.26	13.20	6.40				2.73	16.70
26		17.45	15.18	19.80	19.06	12.90					2.84	16.79
27		17.61	15.23	19.72	18.85	12.66					2.95	16.65
28		17.83	15.12	19.70	18.73	12.74					3.36	16.30
29		-----	15.30	20.10	18.60	12.59					3.36	16.25
30		-----	15.45	20.57	18.53	12.31					3.60	16.05
31		-----	15.75	-----	18.53	-----			-----		3.68	15.67

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.62	16.22	17.44	18.14	19.85	15.77	8.52		3.36	2.92	7.19	14.48
MAX	18.60	18.64	19.20	20.57	20.79	18.44	11.90		3.36	3.68	8.61	16.79
MIN	15.24	14.65	15.05	15.94	18.53	12.31	6.40		3.36	2.66	4.40	8.35
DAYS	5	23	31	30	25	30	25	0	1	22	28	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 251

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 13.71.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 20.80 AT 5:30 P.M. ON MAY 2.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 2.17 ON OCT 25.

## DAILY STAGE FOR 1991

## BLIND TENSAS CUT BELOW UPPER GRAND RIVER (LA.)

LOCATION. LAT. 30-14-26, LONG. 91-33-54. ON RIGHT BANK, ABOUT 300 FEET BELOW JUNCTION WITH UPPER GRAND RIVER, 68.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0331512D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, DEC. 9, 1958 TO JUNE 30, 1970 AND OCT. 2, 1974 TO DATE. PRIOR TO NOV. 1964, GAGE WAS ON LEFT BANK. DISCHARGE, 1932 TO 1942, AND INTERMITTENTLY, 1944 TO 1950, 1955 TO 1961, AND 1968 TO 1979.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 23.80 FEET ON APR. 8, 1975. LOWEST, (FROM INCOMPLETE RECORD) 0.97 FOOT ON JUNE 24, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1981 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.55	17.23	14.75	13.18	16.80	15.40	10.30	4.01	3.66	3.20	4.24	7.28
2	12.87	16.97	14.95	13.23	16.90	15.25	10.05	4.13	3.75	3.52	4.13	7.52
3	13.35	16.75	15.20	13.30	16.95	15.15	9.81	4.03	3.89	3.49	5.20	8.20
4	13.97	16.53	15.25	13.38	17.15	15.00	9.50	3.99	3.78	3.37	5.72	8.89
5	14.85	16.35	15.35	13.55	17.27	14.92	9.23	3.95	3.76	3.28	6.05	9.12
6	15.25	15.93	15.45	13.67	17.35	14.85	9.20	3.97	3.70	2.40	6.27	9.35
7	15.40	15.40	15.55	13.75	17.15	14.85	9.02	4.00	3.70	2.49	6.58	9.60
8	15.70	14.80	15.55	13.80	17.25	14.75	8.80	3.99	3.70	3.15	6.60	10.03
9	15.95	13.96	15.63	13.95	17.17	14.75	8.33	4.00	3.60	3.06	6.35	10.40
10	16.35	13.53	15.65	14.05	17.15	14.65	7.87	3.75	3.55	2.94	6.27	11.07
11	16.75	13.20	15.60	14.23	17.05	14.57	7.63	3.55	3.46	2.89	6.17	11.70
12	16.83	12.95	15.57	14.40	16.95	14.50	7.37	3.59	3.48	2.99	6.00	12.30
13	17.05	12.76	15.50	14.47	16.90	14.30	7.05	3.44	3.35	2.79	6.05	12.52
14	17.15	12.55	15.45	14.65	16.90	14.10	6.70	3.21	3.40	2.80	6.12	12.87
15	17.35	12.43	15.25	15.10	16.95	13.85	6.35	3.42	3.36	2.83	6.15	13.10
16	17.35	12.40	14.92	15.20	16.77	13.58	6.09	3.34	3.30	2.70	6.01	13.30
17	17.45	12.40	14.80	15.20	16.65	13.23	5.90	3.64	3.05	2.73	6.00	13.50
18	17.50	12.30	14.65	15.35	16.60	12.94	5.93	3.70	3.10	2.84	6.10	13.60
19	17.60	12.25	14.32	15.57	16.50	12.80	6.10	3.50	3.02	2.63	5.87	13.67
20	17.70	12.60	14.05	15.65	16.42	12.70	6.20	3.40	2.35	2.73	6.06	13.82
21	17.85	13.03	13.78	15.78	16.40	12.46	6.35	3.30	2.62	2.80	5.97	13.90
22	17.90	13.45	13.50	15.88	16.27	12.10	6.29	3.16	2.83	2.72	6.15	13.90
23	17.90	13.75	13.28	15.88	16.17	11.82	6.10	3.24	2.94	2.66	6.57	13.93
24	17.95	13.93	13.05	15.95	16.10	11.58	5.85	3.25	2.95	2.90	6.91	13.80
25	18.00	14.05	12.73	16.12	16.00	11.37	5.54	3.20	2.86	2.84	7.34	13.80
26	18.05	14.25	12.80	16.27	15.90	11.10	5.23	3.20	2.71	2.91	7.45	13.90
27	18.05	14.40	12.80	16.25	15.70	10.95	5.11	3.30	2.89	3.08	7.35	13.75
28	18.00	14.55	12.70	16.23	15.60	10.96	4.96	3.35	2.90	3.46	7.37	13.55
29	17.95	-----	12.80	16.40	15.50	10.80	4.76	3.28	3.10	3.46	7.30	13.50
30	17.80	-----	12.87	16.73	15.49	10.60	4.50	3.26	3.20	3.62	7.20	13.35
31	17.50	-----	13.05	-----	15.50	-----	4.27	3.49	-----	3.68	-----	13.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.64	14.10	14.41	14.91	16.56	13.33	6.98	3.57	3.27	3.00	6.25	12.01
MAX	18.05	17.23	15.65	16.73	17.35	15.40	10.30	4.13	3.89	3.68	7.45	13.93
MIN	12.55	12.25	12.70	13.18	15.49	10.60	4.27	3.16	2.35	2.40	4.13	7.28
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 10.40.

HIGHEST STAGE WAS 18.08 AT 8:00 P.M. ON JAN 26.

LOWEST STAGE WAS 2.15 ON OCT 6.

## DAILY STAGE FOR 1991

## CHICOT PASS AT WEST FORK CHICOT PASS (LA.)

LOCATION. LAT. 30-03-39, LONG. 91-29-08. TOWER ON RIGHT BANK 83.0 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0346509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 10, 1959 TO JUNE 30, 1973 AND JULY 11, 1974 TO DATE.

EXTREMES. HIGHEST, 20.70 FEET ON MAY 26, 1973. LOWEST, 1.73 FEET ON OCT. 18, 1967.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.94	16.05	14.05	12.71	15.71	14.60	10.44	5.09	4.89	4.45	5.38	7.78
2	12.20	15.85	14.20	12.75	15.77	14.51	10.24	5.23	4.99	4.81	5.10	7.97
3	12.74	15.65	14.35	12.83	15.80	14.39	10.06	5.15	5.09	4.74	5.99	8.51
4	13.23	15.50	14.37	12.90	15.94	14.29	9.80	5.13	5.02	4.63	6.44	9.04
5	13.94	15.39	14.46	13.03	16.04	14.20	9.58	5.12	5.02	4.52	6.74	9.26
6	14.25	15.03	14.57	13.14	16.09	14.11	9.61	5.12	4.99	3.77	6.96	9.45
7	14.40	14.65	14.64	13.21	15.95	14.12	9.44	5.14	4.95	3.77	7.22	9.66
8	14.63	14.19	14.69	13.26	16.10	14.07	9.27	5.14	4.92	4.38	7.23	9.95
9	14.81	13.50	14.72	13.39	16.05	14.08	8.89	5.16	4.82	4.28	6.97	10.25
10	15.22	13.11	14.73	13.50	16.00	14.03	8.54	4.94	4.80	4.17	6.94	10.73
11	15.53	12.83	14.71	13.62	15.91	13.96	8.30	4.70	4.72	4.13	6.86	11.23
12	15.60	12.58	14.68	13.76	15.83	13.91	8.07	4.72	4.76	4.24	6.70	11.74
13	15.70	12.44	14.65	13.86	15.74	13.78	7.74	4.57	4.64	4.07	6.74	11.93
14	15.80	12.27	14.59	14.01	15.74	13.60	7.44	4.36	4.69		6.84	12.23
15	15.95	12.14	14.43	14.39	15.82	13.41	7.14	4.65	4.65		6.85	12.41
16	16.00	12.09	14.20	14.45	15.68	13.20	6.91	4.54	4.60 F	3.83	6.73	12.58
17	16.05	12.10	14.15	14.43	15.60	12.84	6.74	4.83	4.35		6.74	12.76
18	16.10	12.03	14.01	14.60	15.55	12.63	6.75	4.89	4.40		6.80	12.87
19	16.17	11.99	13.73	14.73	15.49	12.50	6.94	4.66	4.35		6.64	12.93
20	16.22	12.25	13.50	14.81	15.41	12.40	6.99	4.59	3.77		6.84	13.08
21	16.28	12.56	13.28	14.90	15.39	12.20	7.12	4.52	3.94		6.70	13.23
22	16.33	12.94	13.09	14.97	15.30	11.93	7.09	4.38	4.14		6.87	13.21
23	16.35	13.17	12.88	15.01	15.20	11.69	6.95	4.44	4.23		7.23	13.24
24	16.44	13.35	12.68	15.04	15.17	11.49	6.66	4.45	4.26 F	3.98	7.41	13.20
25	16.45	13.45	12.41	15.16	15.10	11.33	6.41	4.40	4.10	4.16	7.77	13.16
26	16.50	13.59	12.43	15.40	15.03	11.08	6.17	4.42	3.96	4.25	7.91	13.25
27	16.50	13.72	12.44	15.32	14.89	10.97	6.05	4.54	4.08	4.44	7.83	13.16
28	16.52	13.85	12.39	15.30	14.81	10.97	5.90	4.55	4.14	4.86	7.84	13.03
29	16.49	-----	12.46	15.40	14.73	10.85	5.72	4.49	4.37	4.84	7.80	12.95
30	16.40	-----	12.49	15.65	14.67	10.67	5.49	4.47	4.49	4.93	7.73	12.85
31	16.25	-----	12.60	-----	14.67	-----	5.30	4.74	-----	4.96	-----	12.64

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.39	13.51	13.76	14.18	15.52	12.93	7.67	4.75	4.54	4.37	6.93	11.62
MAX	16.52	16.05	14.73	15.65	16.10	14.60	10.44	5.23	5.09	4.96	7.91	13.25
MIN	11.94	11.99	12.39	12.71	14.67	10.67	5.30	4.36	3.77	3.77	5.10	7.78
DAYS	31	28	31	30	31	30	31	31	30	22	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 10.53.

HIGHEST STAGE WAS 16.54 AT 8:30 P.M. ON JAN 27.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 3.72 ON OCT 25.

## DAILY STAGE FOR 1991

## CHICOT PASS NEAR MYETTE POINT (LA.)

LOCATION. LAT. 29-53-33, LONG. 91-26-44. ON RIGHT BANK, 3/4 MILE ABOVE MYETTE POINT, 95.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0354010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, MAR. 27, 1963 TO DATE. DISCHARGE, INTERMITTENTLY, 1935 TO 1950, 1955 TO 1961, AND 1968 TO 1979.

EXTREMES. HIGHEST, 17.80 FEET ON MAY 24, 1973. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.06 FOOT (DATE UNDETERMINED) IN 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1981 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.50			F 10.18	12.71			3.81	3.81	3.40		
2	9.80			10.22	12.77			3.97	3.92	3.76		
3	10.15			10.30	12.80			3.90	3.96	3.66		
4	10.52 F	12.70		10.35	12.86			3.90	3.94	3.57		
5	F 11.20	12.65		10.44	12.94			3.90	3.99	3.45		
6	11.41	12.37		10.53	13.04			3.89	3.94	2.50		
7	11.55	11.97		10.59	13.07			3.93	3.89	2.67		
8	F 11.70	11.64		10.67	12.88			3.97	3.80	3.32		
9		11.15		10.75	12.85			4.03	3.70	3.22		
10		10.80		10.80	12.93			3.78	3.73	3.12		
11		10.53		10.92	12.97			3.48	3.64	3.07		
12		10.31		11.06	12.86			3.47	3.70	3.16		
13		10.17		11.15	12.80		6.06	3.36	3.63	3.00	F	9.15
14		9.99		11.25	12.78		5.79	3.20	3.64	3.06		
15		9.80		11.55	12.80		5.53	3.56	3.65	3.03		
16				11.64	12.75		5.36	3.38	3.57	2.85		
17				11.65	12.66		5.17	3.66	3.33	2.98		
18				11.77	12.63		5.19	3.74	3.37	3.02		
19				11.86	12.55		5.34	3.47	3.31	2.84		
20				11.90	12.50		5.36	3.43	2.65	2.99		
21				11.97	12.43		5.48	3.38	2.91	2.97		
22				12.06	12.35	9.54	5.48	3.26	3.10	2.95		
23				12.07 F	12.33 F	9.31	5.38	3.35	3.16	2.99		
24				12.10	12.35 F	9.12	5.15	3.33	3.24	3.30		
25				12.23 F	12.32 F	8.96	4.91	3.28	3.04	3.29		
26				12.50	12.09		4.73	3.32	2.87	3.36		
27				12.44			4.62	3.43	2.94	3.57		
28				12.43			4.46	3.46	3.09	3.97		
29		-----		12.50			4.29	3.38	3.34	3.96		
30		-----		12.65			4.10	3.38	3.46	4.01		
31		-----		-----		-----	3.99	3.65	-----	3.99	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.73	11.17		11.42	12.69	9.23	5.07	3.58	3.48	3.26		9.15
MAX	11.70	12.70		12.65	13.07	9.54	6.06	4.03	3.99	4.01		9.15
MIN	9.50	9.80		10.18	12.09	8.96	3.99	3.20	2.65	2.50		9.15
DAYS	8	12	0	30	26	4	19	31	30	31	0	1

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 192

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.04.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 13.10 AT 4:30 P.M. ON MAY 7.

LOWEST STAGE WAS 2.32 ON OCT 6.

## DAILY STAGE FOR 1991

GRAND LAKE AT CHARENTON FLOODGATE (LA.)

LOCATION. LAT. 29-54-08, LONG. 91-31-12. ON NORTHEAST WALL IN FOREBAY OF THE STRUCTURE.  
(STA. 0355013.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 6, 1974 TO DATE.

EXTREMES. HIGHEST, 16.20 FEET ON APR. 22 AND 23, 1975. LOWEST, 0.80 FOOT ON OCT. 10, 1976.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.6	12.7	10.4	9.3	12.0	11.0	7.6	3.6	2.8	2.5	3.1	5.3
2	9.4	12.5	10.5	9.3	12.1	11.0	7.5	3.2	2.8	2.5	2.9	5.5
3	8.8	12.3	10.6	9.3	12.2	11.0	7.2	3.0	2.8	2.5	2.9	5.6
4	9.4	12.1	10.8	9.5	12.3	10.8	7.1	3.0	2.8	2.7	3.6	5.9
5	9.9	11.8	10.9	9.6	12.4	10.7	6.8	3.0	2.8	2.7	4.1	6.2
6	9.4	11.8	11.0	9.7	12.5	10.6	6.7	3.0	2.9	2.6	4.2	6.6
7	9.9	11.7	11.1	9.7	12.5	10.6	6.6	3.0	2.9	2.6	4.6	6.7
8	10.1	11.1	11.2	9.8	12.5	10.6	6.6	3.0	2.9	2.6	4.9	6.7
9	10.7	10.8	11.2	9.8	12.6	10.7	6.5	3.0	2.9	2.5	4.7	6.8
10	11.1	10.1	11.2	9.8	12.6	10.6	6.2	3.0	2.9	2.5	4.7	7.0
11	11.6	9.9	11.3	10.0	12.5	10.5	6.0	2.9	2.8	2.5	4.9	7.5
12	11.9	9.6	11.2	10.1	12.5	10.4	5.9	2.9	2.8	2.5	4.8	7.8
13	12.3	9.3	11.1	10.2	12.3	10.4	5.7	2.7	2.8	2.5	4.6	8.0
14	12.3	9.1	11.1	10.4	12.2	10.1	5.4	2.5	2.8	2.5	4.6	8.2
15	12.1	9.0	11.0	10.6	12.2	10.0	5.2	2.5	2.8	2.5	4.7	8.6
16	12.3	8.8	10.9	10.8	12.2	9.9	5.6	2.5	2.7	2.5	4.7	8.8
17	12.4	8.8	10.8	10.9	12.1	9.8	5.5	2.5	2.7	2.5	4.7	9.0
18	12.5	8.8	10.7	11.0	12.0	9.7	5.4	2.6	2.5	2.5	4.7	9.2
19	12.6	8.8	10.6	11.1	12.0	9.4	5.6	2.7	2.5	2.5	4.7	9.4
20	12.6	8.9	10.3	11.2	12.0	9.1	5.7	2.8	2.5	2.5	4.7	9.4
21	12.7	9.0	10.1	11.3	11.9	8.8	5.7	2.9	2.5	2.5	4.8	9.6
22	12.7	9.3	9.9	11.4	11.8	8.7	5.8	2.9	2.5	2.5	4.8	9.7
23	12.8	9.6	9.7	11.4	11.7	8.6	5.7	2.8	2.5	2.5	4.8	9.8
24	12.8	9.7	9.6	11.5	11.7	8.4	5.8	2.7	2.5	2.5	4.8	9.8
25	13.0	9.8	9.4	11.5	11.6	8.2	5.6	2.6	2.5	2.5	4.9	9.7
26	13.0	10.0	9.2	11.6	11.5	8.0	5.2	2.5	2.5	2.5	5.1	9.8
27	13.0	10.1	9.2	11.8	11.4	8.0	5.0	2.5	2.5	2.5	5.1	9.8
28	13.0	10.2	9.3	11.8	11.1	7.8	5.0	2.6	2.5	2.5	5.2	9.7
29	13.0	-----	9.2	11.8	11.1	7.7	4.7	2.7	2.5	2.7	5.3	9.7
30	13.0	-----	9.2	11.8	11.1	7.7	4.4	2.8	2.5	2.9	5.3	9.6
31	12.9	-----	9.3	-----	11.0	-----	3.8	2.8	-----	3.0	-----	9.5

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.7	10.2	10.4	10.6	12.0	9.6	5.9	2.8	2.7	2.6	4.6	8.2
MAX	13.0	12.7	11.3	11.8	12.6	11.0	7.6	3.6	2.9	3.0	5.3	9.8
MIN	8.6	8.8	9.2	9.3	11.0	7.7	3.8	2.5	2.5	2.5	2.9	5.3
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 7.6.

HIGHEST STAGE WAS 13.0 ON JAN 25 AND LATER DATE(S).

LOWEST STAGE WAS 2.5 ON AUG 14 AND LATER DATE(S).

## DAILY STAGE FOR 1991

GRAND LAKE AT CHARENTON, LA.

LOCATION. LAT. 29-54-20, LONG. 91-31-26. ON THE NORTHEAST WALL OF CHARENTON FLOODGATE.  
(STA. 0355513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1980 GAGE ZERO WAS MINUS 0.94 FOOT NGVD.

RECORDS AVAILABLE. STAGE, FEB. 18, 1932 TO DATE.

EXTREMES. HIGHEST, 17.99 FEET ON MAY 24 AND 25, 1973. LOWEST, MINUS 1.84 FEET ON JAN. 19, 1940.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.31	12.66	10.40	9.25	12.16	11.13 F	7.35	2.81	2.46	2.12	3.24	5.08
2	8.61	12.47	10.61	9.30	12.22	11.03	7.20	2.78	2.57	2.35	2.82	5.21
3	8.98	12.28	10.80	9.37	12.24	10.91	7.04	2.82	2.70	2.52	3.52	5.54
4	9.35	12.14	10.82	9.43	12.32	10.82	6.84	2.75	2.67	2.42	3.85	5.89
5	9.90	11.95	10.89	9.50	12.42	10.71	6.67	2.75	2.71	2.36	4.19	6.09
6	10.30	11.68	10.97	9.60	12.50	10.63	6.70	2.69	2.71	1.79	4.40	6.24
7	10.56	11.35	11.05	9.66	12.45	10.60	6.63	2.69	2.70	1.53	4.56	6.38
8	10.76	10.96	11.10	9.76	12.63	10.57	6.52	2.75	2.65	1.96	4.64	6.61
9	11.05	10.49	11.13	9.84	12.62	10.56	6.24	2.74	2.59	2.18	4.36	6.85
10	11.45	10.06	11.16	9.91	12.57	10.55	5.93	2.65	2.60	2.08	4.35	7.24
11	11.79	9.74	11.17	10.03	12.47	10.52	5.70	2.46	2.60	2.00	4.31	7.66
12	11.86	9.51	11.16	10.15	12.36	10.49	5.50	2.40	2.58	2.01	4.23	8.08
13	12.10	9.34	11.14	10.26	12.28	10.40	5.28	2.25	2.49	1.89	4.20	8.34
14	12.20	9.16	11.10	10.38	12.25		5.02	1.99	2.45	1.84	4.27	8.60
15	12.35	8.97	11.00	10.70	12.26		4.78	2.05	2.43	1.86	4.32	8.81
16	12.40	8.90	10.85	10.83	12.24		4.60	2.14	2.31	1.70	4.24	8.99
17	12.50	8.89	10.85	10.86	12.14		4.40	2.20	2.16	1.66	4.26	9.16
18	12.56	8.84	10.69	10.96	12.10		4.37	2.40	2.03	1.86	4.30	9.29
19	12.64	8.80	10.49	11.07	12.04		4.35	2.28	2.05	1.79	4.27	9.43
20	12.68	9.00	10.28	11.16	11.96		4.36	2.14	1.49	1.78	4.38	9.55
21	12.75	9.15	10.08	11.25	11.91		4.46	2.04	1.48	1.92	4.24	9.73
22	12.81	9.43	9.90	11.34	11.82		4.48	1.95	1.76	1.98	4.29	9.73
23	12.84	9.60	9.73	11.37	11.71		4.39	1.88	2.02	2.03	4.53	9.79
24	12.95	9.75	9.54	11.40	11.70		4.20	2.02	2.14	2.17	4.56	9.75
25	12.99	9.86	9.32	11.53	11.64		4.00	2.03	2.08	2.23	4.83	9.74
26	13.00	10.00	9.22	11.85	11.55		3.76	2.03	1.68	2.30	4.88	9.79
27	13.02	10.10	9.16	11.76	11.44		3.65	2.12	1.81	2.41	4.86	9.77
28	13.05	10.27	9.15	11.76	11.35		3.55	2.20	1.81	2.65	4.94	9.67
29	13.06	-----	9.14	11.85	11.26		3.38	2.25	1.87	2.79	4.90	9.59
30	12.97	-----	9.15	12.12	11.19		3.20	2.17	2.00	2.95	5.09	9.54
31	12.85	-----	9.18	-----	11.16	-----	3.03	2.23	-----	2.88	-----	9.41

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.76	10.19	10.36	10.61	12.03	10.69	5.08	2.34	2.25	2.13	4.33	8.24
MAX	13.06	12.66	11.17	12.12	12.63	11.13	7.35	2.82	2.71	2.95	5.09	9.79
MIN	8.31	8.80	9.14	9.25	11.16	10.40	3.03	1.88	1.48	1.53	2.82	5.08
DAYS	31	28	31	30	31	13	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 348

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.33.

HIGHEST STAGE WAS 13.07 AT 4:00 P.M. ON JAN 27.

LOWEST STAGE WAS 1.43 ON OCT 6.

## DAILY STAGE FOR 1991

## KEELBOAT PASS BELOW LAKE CHICOT (LA.)

LOCATION. LAT. 30-02-19, LONG. 91-27-22. ON RIGHT BANK, ABOUT ONE MILE ABOVE MOUTH 84 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0361509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE ZERO PRIOR TO 1971 WAS MINUS 0.13 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAY 1928 TO DEC. 1965, AND JAN. 1971 TO DATE. DISCHARGE, INTERMITTENTLY, 1944 TO 1950, AND 1955 TO 1961.

EXTREMES. (PRESENT DATUM) HIGHEST, (FROM INCOMPLETE RECORD) 18.23 FEET ON MAY 24, 1973. LOWEST, 0.23 FOOT ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1966 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.77	10.47	7.22	6.64	9.41	8.65	5.66	2.36	2.34	2.01	2.83	3.40
2	5.19	10.25	7.39	6.61	9.49	8.56	5.56	2.29	2.38	2.06	2.86	3.49
3	5.45	10.02	7.55	6.63	9.55	8.44	5.43	2.30	2.45	2.26	2.71	3.51
4	5.70	9.80	7.62	6.65	9.65	8.34	5.33	2.27	2.45	2.30	2.69	3.58
5	6.02	9.73	7.69	6.67	9.70	8.26	5.25	2.26	2.60	2.26	2.72	3.65
6	6.26	9.53	7.77	6.72	9.80	8.11	5.29	2.19	2.64	2.02	2.79	3.74
7	6.56	9.26	7.83	6.76	9.84	8.04	5.29	2.16	2.65	1.58	2.89	3.84
8	6.85	8.95	7.85	6.86	10.22	7.99	5.33	2.33	2.75	1.82	2.92	3.94
9	7.10	8.60	8.00	6.92	10.42	7.94	5.20	2.35	2.64	2.02	2.98	4.07
10	7.60	8.26	8.00	6.95	10.50	7.94	5.06	2.32	2.59	2.02	2.97	4.20
11	8.01	8.00	8.05	7.04	10.36	8.03	4.88	2.25	2.55	2.01	2.96	4.36
12	8.26	7.64	8.10	7.12	10.23	7.98	4.72	2.26	2.56	1.96	2.95	4.60
13	8.47	7.40	8.13	7.25	10.09	8.03	4.56	2.04	2.50	1.85	2.94	4.84
14	8.67	7.20	8.13	7.34	9.94	7.94	4.39	1.83	2.46	1.80	2.93	5.14
15	9.00	6.90	8.11	7.63	9.94	7.82	4.26	1.84	2.45	1.80	2.94	5.35
16	9.16	6.85	8.08	7.72	9.94	7.68	4.15	2.04	2.39	1.66	2.96	5.56
17	9.34	6.74	8.20	7.85	9.84	7.54	3.95	2.00	2.27	1.47	3.00	5.75
18	9.45	6.64	8.12	8.00	9.77	7.41	3.78	2.10	2.11	1.63	3.07	5.90
19	9.65	6.69	8.01	8.10	9.70	7.26	3.66	2.04	2.10	1.59	3.06	6.09
20	9.79	6.58	7.84	8.16	9.60	7.10	3.56	1.89	1.84	1.54	3.15	6.24
21	9.88	6.63	7.71	8.22	9.53	6.96	3.50	1.80	1.57	1.72	3.23	6.38
22	9.99	6.78	7.59	8.27	9.42	6.80	3.47	1.77	1.80	1.84	3.21	6.54
23	10.02	6.76	7.44	8.34	9.31	6.64	3.42	1.68	2.06	1.94	3.19	6.65
24	10.25	6.83	7.29	8.40	9.30	6.49	3.35	1.77	2.16	2.06	3.18	6.74
25	10.37	6.87	7.14	8.55	9.26	6.40	3.26	1.76	2.22	2.19	3.17	6.76
26	10.45	6.93	7.00	8.85	9.24	6.25	3.20	1.77	1.88	2.26	3.18	6.79
27	10.53	7.00	6.93	9.05	9.12	6.13	3.10	1.95	1.88	2.35	3.22	6.84
28	10.65	7.08	6.84	9.11	9.02	6.05	3.00	2.08	1.81	2.48	3.25	6.84
29	10.72	-----	6.80	9.18	8.90	5.92	2.85	2.14	1.84	2.56	3.30	6.84
30	10.75	-----	6.75	9.36	8.80	5.80	2.74	2.06	1.90	2.59	3.35	6.83
31	10.66	-----	6.66	-----	8.73	-----	2.60	2.05	-----	2.80	-----	6.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.57	7.87	7.61	7.70	9.63	7.42	4.19	2.06	2.26	2.01	3.02	5.33
MAX	10.75	10.47	8.20	9.36	10.50	8.65	5.66	2.36	2.75	2.80	3.35	6.84
MIN	4.77	6.58	6.66	6.61	8.73	5.80	2.60	1.68	1.57	1.47	2.69	3.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 5.63.  
 HIGHEST STAGE WAS 10.76 AT 9:30 A.M. ON JAN 30.  
 LOWEST STAGE WAS 1.43 ON OCT 17.

## DAILY STAGE FOR 1991

## SIX MILE LAKE ABOVE CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-48-35, LONG. 91-24-43. AT SIX MILE LAKE BOAT LAUNCH, ABOUT 4500 FEET NORTH OF MAX LAKE OUTLET CONTROL STRUCTURE. OPPOSITE MILE 103 (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0363010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 6, 1988 TO DATE.

EXTREMES. HIGHEST, 10.83 FEET ON MAY 6, 1991. LOWEST, 0.85 FOOT ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			9.25		10.59	9.75	6.45	2.64	2.75	2.38	3.21	4.43
2			9.40		10.63	9.65	6.26	2.75	2.86	2.77	2.53	4.50
3			9.50		10.64	9.55	6.14	2.81	2.87	2.62	3.20	4.89
4		F 10.48	9.50		10.72	9.46	5.96	2.69	2.85	2.52	3.41	5.16
5		10.50	9.54		10.76	9.36	5.82	2.60	2.95	2.38	3.79	5.35
6		10.25	9.60		10.80	9.30	5.92	2.35	2.85	1.44	4.05	5.51
7		9.96	9.66		10.76	9.30	5.80	2.34	2.75		4.20	5.64
8	F 9.60	9.63	9.70	F 10.80		9.25	5.70	2.44	2.60		4.19	5.86
9		9.18	9.73			9.25	5.46	2.46	2.50		3.86	6.07
10		8.80	9.75			9.24	5.16	2.50	2.54		3.90	6.41
11		8.55	9.75			9.21	4.99	2.40	2.43		3.85	6.84
12		8.37	9.74		10.75	9.20	4.80	2.36	2.54		3.79	7.23
13		8.23	9.75		10.70	9.09	4.53	2.25	2.45		3.76	7.44
14		8.10	9.71		10.66	8.94	4.26	2.10	2.45		3.89	7.67
15		7.93	9.60		10.67	8.80	4.03	2.20	2.55		3.91	7.81
16		7.87	9.46		10.63	8.64	3.89 F	2.20	2.45		3.83	7.96
17		7.90	9.52		10.55	8.39	3.72		2.16			8.11
18		7.82	9.39		10.52	8.20	3.75		2.26			8.24
19		7.78	9.20		10.46	8.06	3.90		2.23			8.32
20		7.96	9.03		10.42	7.98	3.88		1.65			8.46
21		8.13	8.87		10.36	7.83	4.00		1.86		F 3.60	8.65
22		8.40	8.73		10.30	7.63	3.95		2.03		3.85	8.60
23		8.53	8.58		10.31	7.43	3.86		2.08 F	1.63	4.09	8.67
24		8.65	8.42		10.33	7.25	3.64		2.14	2.37	4.05	8.60
25		8.73	8.22 F	10.14	10.26	7.12	3.45		1.95	2.40	4.36	8.56
26		8.83	8.19	10.38	10.19	6.95	3.23		1.77	2.45	4.51	8.62
27		8.93	8.18	10.35	10.10	6.86	3.13		1.78	2.70	4.51	8.57
28		9.05		10.37	10.00	6.85	3.07 F	2.30	2.03	3.10	4.43	8.49
29		-----		10.41	9.94	6.72	2.96	2.30	2.30	3.10	4.44	8.40
30		-----		10.55	9.81	6.60	2.88	2.31	2.47	3.10	4.40	8.38
31		-----		-----	9.80	-----	2.75	2.59	-----	3.00	-----	8.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.60	8.74	9.26	10.37	10.44	8.40	4.43	2.43	2.37	2.53	3.91	7.28
MAX	9.60	10.50	9.75	10.55	10.80	9.75	6.45	2.81	2.95	3.10	4.51	8.67
MIN	9.60	7.78	8.18	10.14	9.80	6.60	2.75	2.10	1.65	1.44	2.53	4.43
DAYS	1	25	27	6	28	30	31	20	30	15	26	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 270

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 6.33.

HIGHEST STAGE WAS 10.83 AT 8:30 A.M. ON MAY 6.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.27 ON SEP 20.

## DAILY STAGE FOR 1991

SIX MILE LAKE NEAR VERDUNVILLE, LA.

LOCATION. LAT. 29-45-49, LONG. 91-23-35. ON WEST BANK IN VERDUNVILLE CANAL, OPPOSITE MILE 105.2 (1963 SURVEY), FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0364510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JULY 6, 1933 TO DATE. GAGE HAS BEEN LOCATED IN CYPRESS PASS AT CYPRESS ISLAND DURING PERIOD OF RECORD. DISCHARGE, INTERMITTENTLY, 1957 TO DATE.

EXTREMES. HIGHEST, 15.22 FEET (FROM INCOMPLETE RECORD) ON MAY 24 AND 25, 1973. LOWEST, MINUS 2.23 FEET ON OCT. 18, 1948.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.10	7.71	5.70	4.79	7.34	6.60	3.93	1.60	2.25	1.90	2.30	2.10
2	4.40	7.50	5.96	4.85	7.35	6.45	3.76	1.96	2.40	2.43	0.70	2.06
3	4.64	7.27	5.96	4.99	7.40	6.31	3.71	1.69	2.27	2.35	1.25	2.15
4	4.70	7.06	5.72	5.04	7.46	6.16	3.63	2.11	2.30	2.11	1.00	2.05
5	5.26	7.15	5.85	5.03	7.55	6.00	3.60	2.15	2.55	1.85	1.58	2.45
6	5.53	6.83	5.97	5.11	7.56	5.90	4.05	1.80	2.34	0.24	1.98	2.65
7	5.63	6.46	5.96	5.14	7.43	6.05	3.79	2.21	2.15	0.94	2.17	2.70
8	5.66	6.06	6.02	5.36	7.80	6.18	3.63	2.32	1.75	1.69	1.65	2.94
9	5.94	5.62	6.04	5.39	8.05	6.26	3.50	2.35	1.70	1.57	1.56	3.11
10	6.44	5.29	6.03	5.38	7.95	6.35	3.35	2.12	2.07	1.50	1.77	3.06
11	6.83	5.05	6.11	5.56	7.75	6.38	3.30	1.84	1.84	1.35	1.72	3.54
12	6.74	4.90	6.16	5.76	7.63	6.34	3.11	1.75	2.06	1.40	1.77	3.76
13	6.81	4.94	6.29	5.88	7.56	6.18	2.85	1.57	2.04	1.35	1.73	3.94
14	7.02	4.79	6.15	6.09	7.52	6.00	2.84	1.87	2.14	1.49	2.04	3.95
15	7.30	4.51	6.05	6.29	7.65	5.83	2.66	2.00	2.23	1.24	2.00	3.86
16	7.30	4.47	6.06	6.32	7.58	5.64	2.24	1.60	2.23	0.96	1.94	4.08
17	7.27	4.83	6.29	6.25	7.38	5.40	2.05	1.87	1.69	1.54	1.93	4.30
18	7.45	4.67	6.06	6.35	7.35	5.17	2.11	2.05	1.89	1.21	1.85	4.41
19	7.55	4.72	5.76	6.36	7.30	5.00	2.41	1.66	1.87	1.01	1.94	4.50
20	7.53	4.60	5.70	6.35	7.25	4.91	2.37	1.55	1.27	1.34	2.34	4.87
21	7.56	4.62	5.49	6.28	7.13	4.87	2.57	1.65	1.53	1.01	1.65	5.27
22	7.56	5.02	5.46	6.44	7.12	4.80	2.86	1.50	1.50	1.15	1.85	5.07
23	7.66	4.92	5.26	6.60	7.15	4.64	2.70	1.77	1.47	1.30	2.01	5.27
24	7.89	5.06	4.97	6.52	7.25	4.47	2.48	1.53	1.65	2.04	1.28	4.95
25	7.89	5.19	4.83	6.79	7.16	4.39	2.40	1.60	1.06	2.10	1.91	4.95
26	8.00	5.19	4.88	7.20	7.05	4.23	2.35	1.60	1.15	2.32	2.29	4.88
27	8.05	5.37	5.12	7.29	6.96	4.29	2.30	1.68	0.82	2.45	2.39	4.96
28	8.21	5.55	5.03	7.32	6.86	4.22	2.10	1.69	1.47	2.86	2.19	4.82
29	8.30	-----	5.49	7.35	6.75	4.14	1.67	1.65	1.95	2.85	2.23	4.68
30	8.30	-----	4.76	7.36	6.70	4.09	1.65	1.70	2.09	2.78	2.08	4.74
31	7.99	-----	4.75	-----	6.75	-----	1.75	2.00	-----	2.60	-----	4.65

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.82	5.55	5.67	6.05	7.35	5.44	2.83	1.82	1.86	1.71	1.84	3.89
MAX	8.30	7.71	6.29	7.36	8.05	6.60	4.05	2.35	2.55	2.86	2.39	5.27
MIN	4.10	4.47	4.75	4.79	6.70	4.09	1.65	1.50	0.82	0.24	0.70	2.05
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 4.23.  
 HIGHEST STAGE WAS 8.35 AT 9:00 A.M. ON JAN 29.  
 LOWEST STAGE WAS 0.22 ON OCT 6.

## DAILY STAGE FOR 1991

WAX LAKE OUTLET AT CALUMET, LA.

LOCATION. LAT. 29-42-09, LONG. 91-22-07. ON WEST SIDE OF EAST CALUMET FLOODGATE, DOWNSTREAM END, ABOUT 9.6 MILES WEST OF MORGAN CITY, LA., 111.1 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0372010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

DISCHARGE RANGE. AT MILE 111.4 (1963 SURVEY), BETWEEN U.S. HIGHWAY 90 BRIDGE AND SOUTHERN PACIFIC RAILROAD BRIDGE.

RECORDS AVAILABLE. STAGE, MAY 14, 1942 TO DATE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. DISCHARGE, 1942 TO 1946, 1949 TO 1955, AND INTERMITTENTLY, 1957 TO DATE.

EXTREMES. HIGHEST, 11.16 FEET ON MAY 27, 1973. LOWEST, MINUS 2.68 FEET ON OCT. 18, 1948.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.14 FOOT, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.50	5.69		3.35	5.55	5.14	3.14	1.94	2.35	2.12	1.75	1.65
2	2.85	5.53		3.45	5.56	4.95	3.00	2.05	2.55	2.56	0.80	1.59
3	3.11	5.33		3.65	5.55	4.85	2.97	2.05	2.47	2.15	0.75	1.47
4	3.05	5.15		3.70	5.60	4.69	2.94	2.21	2.54	2.07	0.50	1.23
5	3.52	5.30 F	4.10	3.64	5.66	4.50	3.00	2.15	2.80	1.70	1.10	1.60
6	3.70	4.97	4.20	3.65	5.53	4.42	3.45	1.80	2.54	0.20	1.45	1.80
7	3.76	4.65	4.20	3.65	5.44	4.65	3.20	2.30	2.30	0.78	1.69	1.89
8	3.70	4.30	4.20	3.95	5.94	4.81	3.03	2.30	1.90	1.35	1.10	2.13
9	3.95	3.95	4.15	3.90	6.22	4.95	2.93	2.19	1.81	1.23	1.13	2.29
10	4.49	3.70	4.10	3.85	6.08	5.10	2.90	1.97	2.00	1.15	1.34	2.16
11	4.85	3.50	4.25	4.05	5.90	5.17	2.91	1.60	1.85	1.15	1.32	2.52
12	4.70	3.42	4.35	4.32	5.77	5.10	2.72	1.60	2.10	1.37	1.43	2.74
13	4.73	3.55	4.40	4.95	5.77	4.95	2.51	1.60	2.04	1.34	1.43	2.93
14	4.93	3.40	4.25	4.70	5.75	4.79	2.56	1.90	2.05	1.55	1.75	2.75
15	5.27	3.10	4.15	4.83	5.93	4.60	2.44	2.05	2.38	1.10	1.76	2.50
16	5.20	3.10	4.30	4.90	5.87	4.45	1.95	1.65	2.15	1.02	1.65	2.75
17	5.17	3.60	4.60	4.75	5.63	4.20	1.82	1.94	1.89	1.75	1.67	2.95
18	5.35	3.45	4.40	4.95	5.60	4.00	1.85	2.10	2.07	1.29	1.85	3.05
19	5.49	3.60	4.15	4.85	5.55	3.85	2.15	1.68	1.90	0.99	1.46	3.13
20	5.42	3.25	4.28	4.70	5.52	3.75	2.11	1.55	1.45	1.22	1.85	3.60
21	5.38	3.25	4.00	4.52	5.36	3.75	2.33	1.65	1.53	0.95	1.17	4.05
22	5.40	3.60	4.14	4.73	5.40	3.75	2.62	1.55	1.69	0.91	1.40	3.80
23	5.52		3.83	4.90	5.54	3.65	2.46	1.83	1.65	1.00	1.55	4.05
24	5.75		3.50	4.78	5.66	3.54	2.24	1.55	1.65	1.60	0.80	3.65
25	5.75		3.40	5.15	5.59	3.46	2.29	1.64	1.10	1.60	1.43	3.65
26	5.87		3.49	5.40	5.48	3.35	2.20	1.60	1.15	1.80	1.80	3.75
27	5.93		3.87	5.65	5.43	3.45	2.16	1.66	0.85	2.30	1.97	3.64
28	6.13		3.70	5.70	5.34	3.30	2.00	1.85	1.49	2.85	1.76	3.54
29	6.20	-----	4.30	5.70	5.27	3.27	1.56	1.74	1.82	2.92	1.84	3.30
30	6.27	-----	3.35	5.57	5.25	3.25	1.57	1.83	2.12	3.10	1.65	3.40
31	5.93	-----	3.30	-----	5.30	-----	1.66	2.20	-----	2.79	-----	3.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.83	4.06	4.04	4.53	5.61	4.26	2.47	1.86	1.94	1.61	1.44	2.80
MAX	6.27	5.69	4.60	5.70	6.22	5.17	3.45	2.30	2.80	3.10	1.97	4.05
MIN	2.50	3.10	3.30	3.35	5.25	3.25	1.56	1.55	0.85	0.20	0.50	1.23
DAYS	31	22	27	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.26.

HIGHEST STAGE WAS 6.33 AT NOON ON MAY 9.

LOWEST STAGE WAS MINUS 0.12 ON OCT 6.

## DAILY STAGE FOR 1991

## LOWER ATCHAFALAYA RIVER AT BERNICK LOCK (LA.) (WEST)

LOCATION. LAT. 29-43-05, LONG. 91-13-29. ON WEST SIDE OF LOCK, 1.8 MILES NORTHWEST OF MORGAN CITY, LA. (STA. 0375010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, DEC. 13, 1955 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 4.68 FEET ON APR. 18, 1973. LOWEST, MINUS 2.00 FEET ON JAN. 8, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.36	3.40	3.00	2.65	3.45	3.09	2.89	1.90	2.43	2.07	2.50	2.51
2	2.39	3.32	3.12	2.64	3.55	3.08	2.81	2.19	2.56	2.54	1.50	2.52
3	2.40	3.26	3.12	2.60	3.45	3.06	2.79	2.14	2.47	2.27	1.84	2.65
4	2.42	3.22	3.06	2.60	3.37	3.04	2.75	2.22	2.51	2.16	1.66	2.49
5	2.43	3.60	3.05	2.60	3.35	2.99	2.60	2.27	2.72	1.98	2.08	2.67
6	2.44	3.52	3.04	2.59	3.32	2.95	2.86	2.05	2.59	0.75	2.32	2.85
7	2.47	3.40	2.99	2.60	3.25	2.90	2.92	2.28	2.47	1.14	2.46	2.16
8	2.45	3.33	2.96	2.60	3.75	2.86	3.00	2.45	2.30	1.85	2.28	2.28
9	2.47	3.27	2.91	2.63	4.14	2.85	2.80	2.55	2.23	1.75	2.00	2.45
10		3.21	2.88	2.64	4.15	2.90	2.84	2.28	2.30	1.65	2.14	2.12
11		3.15	2.87	2.71	3.91	3.20	2.64	1.95	2.20	1.65	2.11	1.90
12		3.11	2.85	2.70	3.64	3.17	2.60	1.90	2.35	1.75	2.15	1.95
13		3.06	2.86	2.72	3.38	3.19	2.65	1.75	2.37	1.63	2.10	1.97
14		3.04	2.83	2.73	3.25	3.15	2.60	1.77	2.33	1.75	2.33	2.00
15	3.10	2.99	2.78	2.90	3.32	3.10	2.35	2.15	2.46	1.58	2.34	1.97
16	3.10	2.90	2.78	2.89	3.30	3.06	2.35	1.76	2.35	1.33	2.27	1.99
17	3.06	2.86	2.93	3.09	3.18	3.05	2.23	2.01	2.10	1.73	2.30	2.00
18	3.00	2.84	2.93	3.24	3.17	3.12	2.35	2.20	2.19	1.46	2.26	2.01
19	3.23	2.83	2.90	3.23	3.17	3.28	2.64	1.83	2.21	1.26	2.36	1.99
20	3.17	2.85	2.91	3.17	3.12	3.20	2.60	1.76	1.43	1.50	2.65	2.00
21	3.14	2.92	2.87	3.14	3.08	3.15	2.73	1.82	1.70	1.34	2.25	2.05
22	3.10	3.42	2.85	3.10	3.10	3.10	2.85	1.69	1.84	1.39	2.34	2.08
23	3.06	3.30	2.84	3.09	3.07	3.05	2.83	1.90	1.84	1.46	2.45	2.15
24	3.35	3.24	2.81	3.04	3.05	3.00	2.64	1.72	1.93	1.94	1.96	2.15
25	3.39	3.17	2.80	3.05	3.06	2.97	2.50	1.75	1.57	1.99	2.27	2.18
26	3.31	3.11	2.78	3.35	3.15	3.00	2.53	1.85	1.45	2.09	2.49	2.19
27	3.25	3.07	2.76	3.39	3.14	2.96	2.39	1.97	1.25	2.43	2.55	2.23
28	3.30	3.01	2.75	3.36	3.11	2.99	2.17	2.04	1.65	2.88	2.42	2.25
29	3.37	-----	2.75	3.35	3.10	2.95	1.95	1.90	1.95	2.85	2.47	2.27
30	3.60	-----	2.70	3.55	3.06	2.92	1.84	1.91	2.20	3.10	2.47	2.27
31	3.54	-----	2.67	-----	3.13	-----	1.93	2.29	-----	2.80	-----	2.28

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.96	3.16	2.88	2.93	3.33	3.04	2.57	2.01	2.13	1.87	2.24	2.21
MAX	3.60	3.60	3.12	3.55	4.15	3.28	3.00	2.55	2.72	3.10	2.65	2.85
MIN	2.36	2.83	2.67	2.59	3.05	2.85	1.84	1.69	1.25	0.75	1.50	1.90
DAYS	26	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360  
 THE MEAN STAGE FOR THE YEAR WAS 2.60.  
 HIGHEST STAGE WAS 4.30 AT 12:30 P.M. ON MAY 9.  
 LOWEST STAGE WAS 0.54 ON OCT 6.

## DAILY STAGE FOR 1991

LOWER ATCHAFALAYA RIVER AT BERWICK LOCK (LA.) (EAST)

LOCATION. LAT. 29-43-03, LONG. 91-13-28. ABOUT 75 FEET EAST OF LOCK, 1.8 MILES NORTHWEST OF  
MORGAN CITY, LA. (STA. 0376510.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1955 TO DATE.

STAGE IN FEET						GAGE ZERO IS AT NGVD (1983 ADJ.)						
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										2.03		
2				5.10			4.20					
3												2.70
4									2.59			
5		6.85	5.80			6.30					1.50	
6								2.02				
7					7.05							
8	5.50									1.85		
9				5.40			3.80					
10									2.40			
11						6.40						3.70
12			6.05								2.10	
13		5.20										
14					7.15					1.60		
15	6.60			6.10								
16												
17							2.60		2.08			4.55
18												
19		5.05	5.90					1.80			2.30	
20												
21					7.00							
22										1.45		
23							2.80					
24				6.40					1.90			5.30
25												
26		5.35	5.30								2.45	
27						4.60		1.91				
28					6.80							
29	7.60	-----								2.90		
30		-----		7.00								
31		-----		-----		-----			-----		-----	5.15

## DAILY STAGE FOR 1991

## LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.

LOCATION. LAT. 29-41-40, LONG. 91-12-39. AT U. S. COAST GUARD DOCK ON LEFT BANK, 300 FEET DOWNSTREAM FROM U. S. HIGHWAY 90 BRIDGE 117.7 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0378010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

DISCHARGE RANGE. BETWEEN LOUISIANA HIGHWAY 183 AND U.S. HIGHWAY 90 BRIDGES.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 4.0 FEET. NATURAL FLOW IS AFFECTED BY TIDES. PRIOR TO 1974 GAGE ZERO WAS MINUS 2.94 FEET, NGVD.

RECORDS AVAILABLE. STAGE, 1905 TO DATE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. DISCHARGE, INTERMITTENTLY FROM 1927 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 10.53 FEET ON MAY 28, 1973. LOWEST, MINUS 5.44 FEET (AFFECTED BY STORM) ON AUG. 25, 1926. EXTREMES HAVE BEEN ADJUSTED TO NGVD.  
MAXIMUM, 741,000 CFS, WHICH IS A TOTAL OF OBSERVED FLOWS IN 1927 MADE AT MORGAN CITY ON JUNE 7, BAYOU BOEUF AT BOEUF (6-1/2 MILES EAST) ON JUNE 8, AND AT BAYOU RAMOS (FOUR MILES EAST) ON JUNE 10. MINIMUM, NOT DETERMINED.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.00	6.66	5.50	5.00	6.60	6.32	4.24	2.10	2.34	2.10	2.46	2.59
2	4.24	6.55	5.69	5.02	6.60	6.20	4.12	2.12	2.47	2.60	1.64	2.56
3	4.44	6.43	5.66	5.06	6.64	6.13	4.03	2.05	2.40	2.50	1.85	2.71
4	4.50	6.30	5.50	5.09	6.67	6.04	3.95	2.17	2.47	2.40	1.70	2.60
5	4.80	6.50	5.55	5.08	6.72	5.95	3.90	2.17	2.65	2.30	2.05	2.80
6	5.04	6.28	5.65	5.14	6.70	5.85	4.10	1.95	2.55	0.90	2.29	2.90
7	5.05	6.09	5.62	5.15	6.62	5.90	4.00	2.22	2.49	1.40	2.49	3.02
8	5.15	5.84	5.70	5.28	7.10	5.97	3.95	2.35	2.25	2.00	2.27	3.20
9	5.30	5.60	5.70	5.31	7.15	5.99	3.79	2.55	2.16	1.30	2.10	3.34
10	5.65	5.40	5.68	5.30	7.12	6.03	3.68	2.25	2.30	1.25	2.14	3.36
11	5.92	5.25	5.73	5.43	7.00	6.12	3.55	1.90	2.14	1.30	2.14	3.65
12	5.85	5.17	5.75	5.55	6.93	6.10	3.45	1.83	2.32	1.47	2.15	3.84
13	5.90	5.16	5.80	5.63	6.87	6.04	3.20	1.67	2.32	1.37	2.15	4.02
14	5.97	5.10	5.73	5.75	6.83	5.93	3.08	1.60	2.25	1.48	2.35	4.10
15	6.28	4.95	5.65	5.89	6.99	5.80	2.89	2.16	2.40	1.29	2.38	4.09
16	6.24	4.83	5.66	5.90	6.90	5.69	2.73	1.73	2.30	1.12	2.32	4.25
17	6.20	5.00	5.90	5.90	6.74	5.55	2.54	2.08	2.02	1.53	2.30	4.43
18	6.40	4.90	5.75	5.97	6.75	5.43	2.56	2.20	2.12	1.27	2.30	4.35
19	6.44	4.90	5.57	5.95	6.70	5.30	2.70	1.82	2.06	1.09	2.36	4.63
20	6.43	4.87	5.59	5.95	6.65	5.22	2.65	1.78	1.42	1.30	2.64	4.86
21	6.39	4.85	5.43	5.89	6.59	5.13	2.77	1.88	1.70	1.17	2.25	5.14
22	6.40	5.14	5.50	5.96	6.60	5.05	2.92	1.74	1.85	1.20	2.35	5.06
23	6.45	5.05	5.37	6.10	6.68	4.93	2.85	1.90	1.82	1.34	2.46	5.25
24	6.63	5.12	5.24	6.04	6.77	4.79	2.65	1.76	1.98	1.70	2.08	5.10
25	6.60	5.20	5.16	6.30	6.70	4.68	2.58	1.70	1.60	1.75	2.34	4.91
26	6.67	5.20	5.15	6.49	6.65	4.55	2.54	1.85	1.60	1.95	2.53	4.89
27	6.73	5.29	5.25	6.65	6.60	4.53	2.44	1.99	1.40	2.30	2.60	4.83
28	6.80	5.39	5.20	6.69	6.50	4.50	2.25	1.90	1.70	2.70	2.46	4.90
29	6.95	-----	5.45	6.68	6.43	4.40	2.05	1.80	2.20	2.82	2.55	4.91
30	7.00	-----	5.00	6.66	6.38	4.35	2.17	1.85	2.30	2.94	2.51	4.90
31	6.80	-----	5.00	-----	6.40	-----	2.10	2.15	-----	2.80	-----	4.94

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.91	5.46	5.52	5.76	6.73	5.48	3.11	1.97	2.12	1.76	2.27	4.08
MAX	7.00	6.66	5.90	6.69	7.15	6.32	4.24	2.55	2.65	2.94	2.64	5.25
MIN	4.00	4.83	5.00	5.00	6.38	4.35	2.05	1.60	1.40	0.90	1.64	2.56
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 4.18.  
HIGHEST STAGE WAS 7.33 AT 9:45 A.M. ON MAY 9.  
LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.74 ON OCT 11.

## DAILY STAGE FOR 1991

## LOWER ATCHAFALAYA RIVER BELOW SWEET BAY LAKE (LA.)

LOCATION. LAT. 29-33-06, LONG. 91-14-41. IN SLIP ON RIGHT BANK, 10.3 MILES SOUTH OF MORGAN CITY, LA., ATTACHED TO WHARF OF TEXAS OIL COMPANY, 129.5 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0382010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, FEB. 29, 1956 TO DATE. FOR RECORDS 1946 TO 1956, REFER TO GAGE AT DEER ISLAND BAYOU, THREE MILES DOWNSTREAM.

EXTREMES. HIGHEST, 8.05 FEET (AFFECTED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.55 FEET ON NOV. 6, 1959.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			4.61	4.06		5.39	4.08	2.99	3.31 E	1.97	3.73	
2			4.57	4.09		5.33	4.04	3.24	3.27 E	1.99	2.44	
3			4.50	4.30		5.25	4.00	3.20	3.50 E	2.06	2.70	
4			4.35	4.28		5.16	3.96	3.31	3.41 E	2.10	2.44	
5			4.48	4.12		5.06	3.94	3.38	3.55 E	2.70	2.65	
6			4.59	4.15		4.93	4.11	3.25	3.49 E	1.50	2.91	
7			4.60	4.06		4.87	4.24	3.43	3.46 E	1.75	3.04	
8			4.50	4.28		4.90	4.15	3.43	3.33 E	1.75	2.90	
9			4.59	4.26		4.92	4.04	3.70	3.20 E	2.30	2.47	
10			4.40	4.20		5.03	3.91	3.30	3.34 E	2.25	2.54	
11			4.70	4.40		5.16	3.81	2.95	3.23	2.50	2.53	
12		F 4.10	4.55	4.64		5.25	3.75	2.1	3.22	2.59	2.56	
13		4.15	4.54	4.70		5.20	3.60 F	2.1	3.17	2.50	2.54	
14		4.06	4.45	4.96		5.15	3.45 F	2.1	3.06	2.47		
15		3.90	4.39	5.01 F	5.60	5.11	3.40	3.20	3.20	2.48		
16		3.80	4.65	5.06	5.53	5.05	3.32	2.98	3.15	2.20		
17	F 4.60	4.10	4.83	4.90	5.41	4.90	3.15	3.28	3.11	2.25		
18	4.78	4.14	4.73	4.40	5.46	4.70	3.25	3.43	3.07	2.32		
19	4.95	4.40	4.60	4.60	5.43	4.56	3.31	3.04	2.85	2.16		
20	4.89	4.05	4.76	4.70	5.43	4.50	3.30 F	3.05	2.38	2.35		
21		4.08	4.54	4.77	5.37	4.47	3.48	3.08 E	2.54	2.42		
22		4.35	4.65	4.62 F	5.35	4.46	3.64	2.99 E	2.73	2.52		
23		3.92	4.32	4.66		4.45	3.51	3.08 E	2.86	2.76		
24		4.05	4.15	4.69		4.33	3.40	2.93 E	3.03	3.03		
25		4.06	4.11	4.49		4.25	3.52	2.85 E	2.86	3.05		
26		3.95	4.15	4.20		4.18		3.04 E	2.44	3.15		
27		4.08	4.49	3.96		4.19		3.08 E	2.36	3.25		
28		4.20	4.36			4.23		3.28 E	2.28	3.28		
29		-----	4.84			4.17		3.14 E	2.10	3.38		
30		-----	4.07			4.18		3.20 E	2.03	3.47		
31	F 5.10	-----	4.07	----- F	5.43	----- F	2.70	3.39	-----	3.45	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.86	4.08	4.49	4.47	5.45	4.78	3.66	3.15	2.98	2.51	2.73	
MAX	5.10	4.40	4.84	5.06	5.60	5.39	4.24	3.70	3.55	3.47	3.73	
MIN	4.60	3.80	4.07	3.96	5.35	4.17	2.70	2.70	2.03	1.50	2.44	
DAYS	5	17	31	27	9	30	26	31	30	31	13	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 250

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.76.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 5.60 AT 12:30 P.M. ON MAY 15.

LOWEST STAGE WAS ESTIMATED 1.35 ON OCT 6.

## DAILY STAGE FOR 1991

WAX LAKE OUTLET VICINITY AT BELLE ISLE, LA.

LOCATION. LAT. 29-31-47. LONG. 91-23-39. ON GAS PLATFORM CATWALK IN LITTLE BAYOU NEAR CARGUIL  
SALT MINE. (STA. 0383010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, APR. 1973 TO DEC. 1975 AND APR. 13, 1976 TO DATE.

EXTREMES. HIGHEST, 5.05 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.65 FEET ON  
JAN. 17, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.15	2.35	2.05	1.53	2.97	2.78	1.98	1.57	1.86	1.73	1.47	0.86
2	1.43	2.38	2.23	1.64	3.00	2.65	1.86	1.65	2.09	2.20	0.20	0.82
3	1.55	2.27	2.13	2.15	2.87	2.42	1.89	1.60	2.07	1.77	0.51	0.68
4	1.32	2.15	1.28	2.09	2.82	2.24	1.89	1.70	2.20	1.72	-0.14	0.30
5	1.69	2.50	1.80	1.75	2.85	1.83	2.10	1.79	2.46	1.30	0.60	0.79
6	1.61	2.00	1.80	1.54	2.13	1.85	2.42	1.50	2.24	-0.20	0.84	0.85
7	1.35	1.69	1.80	1.59	2.12	2.30	2.23	1.90	1.72	0.40	0.95	0.90
8	1.07	1.38	1.61	1.85	3.06	2.55	2.05	1.95	1.30	0.90	0.44	1.20
9	1.20	1.24	1.39	1.68	3.05	2.93	2.00	1.80	1.18	0.78	0.65	1.30
10	1.88	1.19	1.29	1.51	2.95	3.22	2.05	1.65	1.35	0.72	0.83	0.99
11	2.13	1.05	1.55	1.85	2.82	3.28	2.04	1.27	1.26	0.74	0.84	1.40
12	1.53	1.10	1.69	2.28	2.76	3.21	1.85	1.15	1.56	0.95	0.93	1.42
13	1.59	1.45	1.76	2.42	3.01	3.03	1.77	1.10	1.53	0.94	0.94	1.60
14	1.79	1.35	1.50	2.78	3.06	2.97	1.90	1.55	1.63	1.22	1.32	1.00
15	2.32	0.96	1.58	2.73	3.69	2.89	2.00	1.69	1.95	0.78	1.25	0.76
16	2.00	1.20	2.23	2.94	3.45	2.64	1.23	1.28	1.74	0.70	1.23	0.84
17	2.00	1.95	2.54	2.63	3.43	2.40	1.24	1.45	1.53	1.38	1.14	0.95
18	2.25	1.85	2.27	3.16	3.19	2.05	1.21	1.67	1.65	0.91	1.10	0.95
19	2.40	2.35	2.15	2.63	2.95	2.00	1.45	1.23	1.45	0.72	0.87	0.99
20	2.35	1.37	2.55	2.18	2.70	1.75	1.46	1.15	0.95	0.85	1.20	1.69
21	1.80	1.35	2.23	1.87	2.43	1.92	1.72	1.20	1.15	0.72	0.75	2.10
22	1.76	1.42	2.63	2.20	2.64	2.04	2.00	1.20	1.30	0.76	0.84	1.75
23	1.96	0.85	1.75	2.14	3.09	1.95	1.80	1.40	1.20	0.80	0.85	2.15
24	2.09	1.00	1.19	2.00	3.23	2.03	1.62	1.14	1.10	1.33	0.03	1.55
25	2.00	1.15	1.22	2.73	3.16	1.91	1.80	1.17	0.55	1.40	0.80	1.71
26	2.16	0.95	1.40	2.87	3.09	1.92	1.65	1.10	0.70	1.55	1.15	1.86
27	2.18	1.33	2.23	3.40	3.08	2.14	1.60	1.19	0.43	2.07	1.37	1.57
28	2.50	1.60	1.85	3.53	3.11	1.84	1.50	1.30	1.00	2.55	1.17	1.33
29	2.70	-----	2.78	3.41	2.99	2.05	1.00	1.20	1.40	2.67	1.25	1.02
30	2.82	-----	1.27	2.86	2.96	2.10	1.05	1.25	1.67	2.80	0.91	1.19
31	2.30	-----	1.36	-----	3.16	-----	1.15	1.85	-----	2.55	-----	1.14

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.90	1.55	1.84	2.33	2.96	2.36	1.73	1.44	1.47	1.28	0.88	1.21
MAX	2.82	2.50	2.78	3.53	3.69	3.28	2.42	1.95	2.46	2.80	1.47	2.15
MIN	1.07	0.85	1.19	1.51	2.12	1.75	1.00	1.10	0.43	-0.20	-0.14	0.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.75.

HIGHEST STAGE WAS 3.79 AT 9:15 A.M. ON APR 18.

LOWEST STAGE WAS MINUS 0.60 ON OCT 6.

## DAILY STAGE FOR 1991

## ROUND BAYOU AT DEER ISLAND (LA.)

LOCATION. LAT. 29-28-28, LONG. 91-15-46. ON LEFT BANK OF ROUND BAYOU AT MOUTH OF LOWER ATCHAFALAYA RIVER, MILE 135.8 (1963 SURVEY). (STA. 0385010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.49 FOOT TO ALL STAGES IN 1974.

RECORDS AVAILABLE. MAR. 9, 1974 TO DATE.

EXTREMES. HIGHEST, 6.17 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.21 FEET ON DEC. 23, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			1.69	1.25	2.67	2.55	1.80	0.79	1.05	1.24	0.95	0.60
2			1.85	1.33	2.59	2.47	1.75	1.10	1.30	1.75 F	0.50	0.61
3			1.92	1.75	2.60	2.30	1.71	1.05	1.30	1.43 F	0.65	0.42
4			1.34	1.73	2.50	2.20	1.74	1.22	1.50	1.35 F	0.50	0.12
5			1.60	1.55	2.60	1.81	1.83	1.30	1.69	0.90 F	0.65	0.35
6			1.57	1.26	1.83	1.87	2.06	1.06	1.75 F	0.32 F	0.65	0.43
7			1.57	1.40	1.86	2.10	1.97	1.35	1.47 F	0.65 F	0.65	0.50
8			1.50	1.50	2.90	2.26	1.82	1.35	1.15 F	0.65 F	0.64	0.70
9	F	1.46	1.30	1.40	2.80	2.65	1.77	1.25	0.95 F	0.62	0.64	0.84
10			1.24	1.25	2.62	2.88	1.90	0.97	1.05 F	0.62	0.65	0.80
11			1.35	1.52	2.44	2.88	1.86	0.64	1.00 F	0.63	0.65	0.99
12		F	1.22	1.43	2.40	2.91	1.75	0.50	1.25	0.62	0.63	1.07
13			1.30	1.50	2.00	2.68	1.59	0.50	1.20	0.61	0.63	1.35
14			1.24	1.38	2.40	2.70	1.58	0.82	1.20	0.84	0.84	0.73
15			1.07	1.39	2.30	3.35	2.60	0.97	1.50 F	0.60	0.84	0.65
16			1.00	1.85	2.55	3.20	2.44	0.69	1.35 F	0.60	0.80	0.73
17	F	1.58	1.53	2.00	2.27	3.12	2.27	0.82	1.19	0.88	0.71	0.80
18		1.90	1.55	1.94	2.70	2.90	2.00	0.96	1.10	1.33 F	0.59	0.70
19		2.05	1.97	1.89	2.31	2.62	1.95	0.57	1.15 F	0.60	0.53	0.73
20		2.16	1.30	2.19	1.93	2.40	1.71	0.53	0.65 F	0.60	0.55	1.11
21		1.68	1.24	1.85	1.70	2.18	1.82	0.55	0.84 F	0.60	0.39	1.30
22		1.72	1.25	2.20	2.00	2.40	1.87	0.58	0.92 F	0.60	0.48	1.20
23		1.84	1.00	1.50	1.70	2.82	1.77	0.72	0.84 F	0.60	0.53	1.50
24		1.89	1.05	1.15	1.70	2.90	1.89	0.50	0.70	0.70	0.23	1.28
25		1.80	1.09	1.14	2.25	2.79	1.75	0.52 F	0.65	0.75	0.49	1.35
26		1.85	1.03	1.19	2.49	2.85	1.79	0.45 F	0.65	0.94	0.59	1.56
27		1.85	1.16	1.85	2.85	2.87	1.95	0.55 F	0.65	1.45	0.87	1.36
28	F	2.00	1.35	1.45	3.05	2.90	1.65	0.92	0.50	0.65	1.80	1.19
29			-----	2.15	3.00	2.78	1.87	0.61	0.50	0.75	1.95	0.88
30			-----	1.20	2.47	2.75	1.93	0.55	0.55	1.20	2.20	0.65
31			-----	1.19	-----	2.87	-----	0.74	1.05	-----	2.10	-----

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.83	1.26	1.59	1.98	2.67	2.19	1.41	0.81	1.10	0.96	0.64	0.91
MAX	2.16	1.97	2.20	3.05	3.35	2.91	2.06	1.35	1.75	2.20	0.95	1.56
MIN	1.46	1.00	1.14	1.25	1.83	1.65	0.55	0.45	0.65	0.32	0.23	0.12
DAYS	13	17	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 336

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.43.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.40 AT 8:30 A.M. ON MAY 15.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.01 ON DEC 4.

## DAILY STAGE FOR 1991

BLACK RIVER AT ACME, LA.

LOCATION. LAT. 31-16-02, LONG. 91-09-56. MILE 0.1 (1949). EVA QUADRANGLE. (STA. 0475011.)

GAGE. STAFF ON LEFT BANK.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY VICKSBURG DISTRICT. DRAINAGE AREA, 24,237 SQUARE MILES (VARIABLE DUE TO INTERCHANGING DRAINAGE). BANKFULL STAGE, 48 FEET.

RECORDS AVAILABLE. STAGE, DEC. 9, 1894 TO MAR. 31, 1899, NOV. 9, 1923 TO OCT. 17, 1981, AND JAN. 1, 1982 TO DATE. MEASURED DISCHARGE, 1942 AND 1946.

EXTREMES. HIGHEST, 62.7 FEET ON MAY 14-17, 1927. LOWEST, 2.61 FEET ON JULY 16, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, 0.68 FOOT, NGVD (1929-41 ADJ)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	33.5	42.9	39.6	34.6	47.2	43.7	31.0	10.0	7.9	9.8	14.7	22.5
2	34.0	42.0	40.2	34.6	47.4	43.2	29.1	9.9	8.2	9.7	21.1	23.7
3	35.3	41.4	40.4	34.5	47.7	42.9	28.4	9.3	8.9	8.7	24.3	27.4
4	36.3	40.8	40.6	34.4	48.4	42.5	27.5	9.4	8.9	8.7	26.0	29.4
5	38.0	40.1	40.8	34.5	48.9	41.9	26.9	8.9	8.8	8.2	26.3	29.8
6	38.3	39.3	40.8	34.5	49.4	41.4	26.2	9.4	8.7	7.5	26.0	30.2
7	38.5	38.3	40.9	34.3	49.4	41.1	25.5	9.7	9.1	7.9	26.0	30.8
8	38.9	37.3	40.8	34.3	49.6	40.6	24.0	9.4	9.9	8.0	25.4	31.6
9	39.4	35.5	40.8	34.8	49.7	40.2	23.1	9.7	9.7	7.4	24.9	32.3
10	39.9	34.9	40.6	34.9	49.8	39.6	21.4	9.8	8.7	6.7	24.2	33.7
11	41.6	34.3	40.3	35.0	50.0	39.0	20.4	10.2	8.3	6.7	23.5	34.5
12	42.1	34.0	39.9	35.6	50.0	39.0	19.3	10.0	7.8	6.9	23.1	35.3
13	42.8	33.5	39.6	35.8	49.8	39.0	17.8	10.0	7.3	6.6	22.7	35.7
14	43.4	32.9	39.1	36.8	49.7	38.9	17.0	8.5	7.2	6.1	22.3	37.6
15	43.8	32.5	38.6	39.3	49.6	38.6	16.0	8.6	6.8	5.7	21.7	38.2
16	44.1	32.5	37.5	40.6	49.4	38.0	15.1	8.8	6.7	6.1	20.9	38.4
17	44.4	32.0	37.1	41.2	49.2	37.2	14.0	9.5	6.6	6.0	20.6	38.4
18	44.6	31.0	36.6	42.1	49.1	36.6	13.9	9.1	7.5	6.3	20.3	38.2
19	44.8	30.8	35.8	43.2	48.9	36.3	13.9	9.5	7.3	6.1	19.4	38.0
20	45.1	32.0	34.8	43.9	48.5	36.1	14.6	8.8	7.1	5.9	20.4	37.9
21	45.3	34.3	34.2	44.6	48.3	35.8	15.0	8.0	6.8	6.4	21.1	37.7
22	45.4	36.0	33.4	45.1	47.9	34.9	14.6	7.8	7.0	5.8	22.1	37.4
23	45.4	37.4	32.9	45.2	47.6	34.4	13.9	8.3	7.0	5.0	23.8	37.1
24	45.5	38.1	32.3	45.5	47.1	34.0	13.1	8.7	6.3	4.6	25.3	37.0
25	45.6	38.7	31.6	45.7	46.6	33.5	12.3	8.3	6.4	3.9	26.0	37.4
26	45.6	39.1	31.6	45.8	46.0	33.1	12.0	7.8	8.2	3.9	25.7	38.0
27	45.5	39.3	31.3	45.9	45.6	32.7	12.0	7.7	9.7	4.1	24.7	37.8
28	45.2	39.4	31.1	45.8	45.3	32.3	11.7	7.8	9.2	5.5	24.3	37.6
29	44.8	-----	31.5	46.1	44.8	32.6	11.5	7.4	9.8	5.2	23.4	37.5
30	44.3	-----	32.6	46.8	44.3	31.6	11.1	7.5	10.1	6.1	22.5	37.0
31	43.6	-----	34.0	-----	44.1	-----	10.6	7.7	-----	10.0	-----	-----

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	42.1	36.4	36.8	39.8	48.0	37.7	18.2	8.9	8.1	6.6	23.1	34.6
MAX	45.6	42.9	40.9	46.8	50.0	43.7	31.0	10.2	10.1	10.0	26.3	38.4
MIN	33.5	30.8	31.1	34.3	44.1	31.6	10.6	7.4	6.3	3.9	14.7	22.5
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 28.3.

HIGHEST STAGE WAS 50.0 ON MAY 11 AND LATER DATE(S).

LOWEST STAGE WAS 3.9 ON OCT 25 AND LATER DATE(S).

## DAILY STAGE FOR 1991

BAYOU MOREAU NEAR ODENBURG, LA.

LOCATION. LAT. 30-55-30, LONG. 91-45-48. ON HIGHWAY 970 BRIDGE, 2.9 MILES EAST OF ODENBURG, LA.  
(STA. 40100128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1943 TO 1945, 1948. DAILY, OCT. 31, 1950 TO DATE.

EXTREMES. HIGHEST, 38.38 FEET ON MAY 19, 1953. LOWEST, CHANNEL DRY ON JUNE 2, 1951, AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		25.58	25.50	24.28	33.49	26.38	24.32					F 24.20
2	24.32	25.08	25.69	24.19	31.20	25.65	24.25		F 23.67			28.99
3	29.22	24.74	25.58		26.88	25.35	27.29					29.65
4	26.58	24.52	25.25		32.40	25.18	26.10					25.99
5	25.58	24.95	25.00		30.42	25.09	27.23	F 23.43			F 23.43	24.99
6	25.02	25.65	24.95		27.82	26.40	29.50					24.50
7	24.81	25.19	24.79		26.25	25.41	26.09		25.92	F 23.02		
8	24.70	24.82	24.63		31.90	25.03	27.00		24.63			
9	24.52	24.60	24.58	F 23.97	33.20	24.90	26.50		F 24.17			F 23.91
10	29.90		24.48	F 24.21	31.80	24.80	25.62					
11	33.12		24.45	24.42	29.62	24.84	25.03					
12	30.20	F 24.23	24.43	30.95	26.73	24.83	24.63	F 23.82			F 23.43	
13	26.23		24.40	26.82	26.09	24.80	24.51	24.30				F 24.25
14	25.41		24.38	26.02	25.74	24.82	F 24.30					33.40
15	25.08		24.32	34.62	27.80	24.69				F 23.00		30.05
16	25.09		24.31	33.15	27.60	24.63	F 24.10					26.00
17	24.70		25.32	30.55	26.28	24.50			F 23.29			25.13
18	24.49		25.59	26.82	30.83	24.50						24.71
19	27.75	24.30	25.15	25.85	27.85	24.62		F 23.28			F 23.38	F 24.50
20	25.99	30.15	24.88	25.30	26.20	24.60						
21	25.19	33.00	24.90	24.99	29.70	24.59				F 23.27		
22	24.79	34.50	24.88	24.80	26.99	24.52						
23	24.52	33.10	24.69	28.00	25.99	24.50	F 23.79		F 23.11			25.20
24	26.40	30.49	24.52	25.49	26.23	24.43						25.68
25	26.81	26.58	24.53	31.45	29.10	25.49					F 23.80	24.90
26	25.63	25.80	24.38	30.00	27.30	24.78						24.50
27	25.10	25.49	24.31	26.83	26.19	24.53		F 23.28				
28	24.90	25.31	24.25	25.93	25.62	25.80						
29	24.80	-----	24.53	34.40	27.60	24.74				F 23.32		
30	30.09	-----	24.70	34.65	26.09	24.45	F 23.72		F 23.10			F 24.00
31	26.68	-----	24.44	-----	25.71	-----						

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	26.25	26.90	24.77	27.82	28.28	24.96	25.53	23.62	23.98	23.15	23.51	26.03
MAX	33.12	34.50	25.69	34.65	33.49	26.40	29.50	24.30	25.92	23.32	23.80	33.40
MIN	24.32	24.23	24.25	23.97	25.62	24.43	23.72	23.28	23.10	23.00	23.38	23.91
DAYS	30	20	31	24	31	30	17	5	7	4	4	19

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 223

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 26.06.

HIGHEST STAGE WAS 35.00 AT 4:00 P.M. ON APR 29.

LOWEST STAGE WAS 23.00 ON OCT 15.

## DAILY STAGE FOR 1991

UPPER GUIDE LEVEE BORROW PIT ABOVE BAYOU LATENACHE (LA.)

LOCATION. LAT. 30-43-48, LONG. 91-43-53. ABOUT 600 FEET ABOVE JUNCTION WITH BAYOU LATENACHE AND 900 FEET ABOVE DRAINAGE STRUCTURE. (STA. 4068012B.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1968 TO DATE.

STAGE IN FEET		GAGE ZERO IS AT NGVD (1967 ADJ.)										
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2	14.57			17.91			17.82					16.08
3									15.97			
4			20.44			19.30						
5		20.25						17.47			14.60	
6												
7					20.68					14.12		
8	18.76											
9				16.76			21.65		16.37			14.95
10												
11						17.41						
12		18.80	19.60					17.83			14.42	
13												
14					21.18							
15	21.46									14.10		
16				22.64			18.65					20.94
17									14.87			
18						16.41						
19		17.35	19.85					17.51			14.30	
20												
21					22.68					14.10		
22	19.61											
23				21.04			18.22		14.25			15.22
24												
25			18.82			19.34					14.55	
26		21.92	18.65									
27								16.16				
28					21.24							
29	19.50	-----					17.82			14.40		
30		-----		25.00		-----			14.45			14.90
31		-----		-----					-----			

## DAILY STAGE FOR 1991

BAYOU LATENACHE ABOVE POINTE COUPEE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-43-44, LONG. 91-44-00. ON UPSTREAM SIDE OF STRUCTURE, 2.4 MILES NORTH OF MELVILLE, LA. (STA. 40900128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1950. DAILY, FEB. 14, 1951 TO DATE.

EXTREMES. HIGHEST, 33.48 FEET (FROM INCOMPLETE RECORD) ON MAY 1, 1973. LOWEST, BELOW LEVEL OF GAGE ON OCT. 4, 1969 AND LATER DATE(S).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1967 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		22.05	20.51	18.20	23.52	21.50	18.03	17.72	16.15			
2	14.57	21.25	20.70	17.95	23.05	20.68	17.79	17.65	16.05			16.10
3		20.73	20.65	17.70	22.40	19.90	18.45	17.60	15.95			20.80
4		20.24	20.49	17.50	21.25	19.38	18.80	17.51	15.80			19.80
5		20.25	20.25	17.32	22.60	18.88	19.34	17.49	16.12		14.60	18.08
6		21.25	20.15	17.18	22.00	18.58	20.85	17.40	16.20			16.88
7		20.90	20.10	17.00	20.65	18.40	20.35	17.38	16.05	B		16.01
8	F 18.73	20.39	19.99	16.90	22.40	18.03	20.73	17.30	16.50			15.35
9	18.25	19.89	19.88	16.75	25.15	17.70	21.63	17.30	16.35			14.95
10	21.90	19.49	19.79	16.62	23.30	17.42	20.72	17.29	16.09			
11	24.80	19.15	19.69	16.55	22.40	17.40	20.00	17.70	15.85			
12	22.58	18.83	19.60	19.45	22.80	17.35	19.48	17.80	15.68			
13	23.02	18.59	19.53	20.45	22.00	17.20	19.24	17.80	15.49	F	14.42	F 15.30
14	22.25	18.39	19.45	19.03	21.22	17.08	18.92	17.73				22.85
15	21.43	18.10	19.32	24.40	20.89	16.85	18.70	17.70		B		22.50
16	21.18	17.78	19.21	22.60	22.30	16.59	18.63	17.88				20.98
17	20.62	17.59	19.49	23.30	21.00	16.35	18.52	17.75	F 14.85			19.30
18	20.13	17.49	19.90	22.50	22.00	16.40	18.48	17.60				18.30
19	21.11	17.39	19.83	21.80	22.39	16.63	18.39	17.50		F	14.30	17.45
20	21.00	22.50	19.63	21.02	21.43	16.65	18.35	17.37			15.50	16.65
21	20.30	24.20	19.50	20.53	22.40	16.55	18.31	17.21		B	15.92	15.99
22	19.75	24.65	19.35	19.90	22.10	16.50	18.29	17.09			15.50	15.50
23	19.32	23.40	19.20	21.15	21.07	16.69	18.21	16.90	B		F	15.22
24	20.10	22.40	19.02	21.08	21.38	16.57	18.13	16.68	F 15.60			
25	22.00	22.73	18.83	20.80	22.15	19.35	18.03	16.48	15.80	F	14.55	
26	21.15	21.85	18.63	23.10	23.12	19.10	17.97	16.30	F 15.50			
27	20.34	21.21	18.50	21.62	22.08	18.60	17.90	16.15				
28	19.85	20.72	18.32	20.82	21.22	19.20	17.87	16.00				
29	19.49	-----	18.50	24.50	22.18	18.85	17.80	15.90		14.40		
30	23.10	-----	18.81	24.95	21.70	18.38	17.80	15.73	B		F	14.88
31	23.05	-----	18.50	-----	21.55	-----	17.79	15.95	-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.80	20.48	19.53	20.09	22.12	17.96	18.82	17.16	15.88	14.40	14.97	17.64
MAX	24.80	24.65	20.70	24.95	25.15	21.50	21.63	17.88	16.50	14.40	15.92	22.85
MIN	14.57	17.39	18.32	16.55	20.65	16.35	17.79	15.73	14.85	14.40	14.30	14.88
DAYS	25	28	31	30	31	30	31	31	17	1	7	20

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 282

B=CHANNEL DRY F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 19.09.

HIGHEST STAGE WAS 25.55 AT 5:30 A.M. ON MAY 9.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1991

## BAYOU LATENACHE BELOW POINTE COUPEE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-43-43, LONG. 91-43-59. ON DOWNSTREAM SIDE OF STRUCTURE, 2.4 MILES NORTH OF MELVILLE, LA. (STA. 43500128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 9, 1951 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 38.10 FEET ON MAY 18, 1973. LOWEST, BELOW LEVEL OF GAGE ON MAY 16, 1988 AND LATER DATE(S).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		22.00		18.18	23.49	21.42	18.01	17.71	16.15			
2	B	21.25		17.92	23.00	20.65	17.80	17.63	16.09			15.83
3	21.08	20.69		17.70	22.40	19.83	18.38	17.58	15.92			20.71
4	20.95	20.20 F	20.42	17.50	21.27	19.31	18.78	17.49	15.80			19.71
5	19.60	20.30	20.28	17.32	22.60	18.88	19.22	17.40	16.10		B	18.00
6	18.70	21.24	20.18	17.18	21.65	18.58	20.75	17.40	16.19			16.80
7	19.10	20.90	20.10	17.01	20.59	18.40	20.23	17.38	16.05	B		
8	18.75	20.38	20.00	16.89	22.40	18.02	20.59	17.32	16.49			B
9	18.30	19.89	19.90	16.75	25.09	17.70	21.54	17.30	16.32			
10	21.70	19.49	19.80	16.60	23.19	17.40	20.65	17.28	16.05			
11	24.88	19.15	19.70	16.52	22.32	17.39	19.93	17.71	15.85			B
12	23.07	18.89	19.60	19.20	22.71	17.31	19.44	17.80	15.65		B	
13	23.10	18.59	19.55	20.30	21.90	17.18	19.15	17.79	15.51			F 15.25
14	22.31	18.37	19.47	18.89	21.15	17.05	18.89	17.75				22.40
15	21.50	18.10	19.32	24.15	20.89	16.83	18.70	17.70		B		22.34
16	21.20	17.79	19.22	22.45	22.29	16.53	18.62	17.89				20.94
17	20.69	17.59	19.50	23.10	21.00	16.30	18.51	17.75	B			19.20
18	20.18	17.42	19.90	22.30	22.01	16.39	18.42	17.59				18.20
19	21.10	17.35	19.80	21.80	22.33	16.59	18.38	17.49			B	17.40
20	21.02	22.30	19.63	20.92	21.41	16.62	18.31	17.33				16.58
21	20.31	24.30	19.48	20.43	22.25	16.53	18.29	17.20		B		15.90
22	19.80	24.66	19.33	19.90	22.12	16.45	18.23	17.08				F 15.50
23	19.35	23.45	19.20	20.99	21.08	16.69	18.18	16.90	B			B
24	20.05	22.40	19.00	21.00	21.28	16.53	18.10	16.68				
25	21.95	22.80	18.80	20.80	22.13	19.32	18.00	16.45			B	
26	21.12	21.90	18.60	23.00	23.02	19.11	17.95	16.30				
27	20.39		18.49	21.55	22.03	18.62	17.90	16.19				
28	19.85		18.30	20.75	21.15	19.12	17.84	16.02				
29	19.50	-----	18.50	24.45	22.10	18.90	17.79	15.90		B		
30	23.00	-----	18.80	24.82	21.65	18.39	17.79	15.78	B			
31	23.00	-----	18.48	-----	21.52	-----	17.79	15.93	-----		-----	B

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.88	20.44	19.41	20.01	22.07	17.93	18.78	17.15	16.01			18.32
MAX	24.88	24.66	20.42	24.82	25.09	21.42	21.54	17.89	16.49			22.40
MIN	18.30	17.35	18.30	16.52	20.59	16.30	17.79	15.78	15.51			15.25
DAYS	29	26	28	30	31	30	31	31	13	0	0	15

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 264  
 B=CHANNEL DRY F=NOT AT STATED TIME  
 THE MEAN STAGE FOR THE YEAR WAS 19.32.  
 HIGHEST STAGE WAS 25.53 AT 6:00 A.M. ON MAY 9.  
 LOWEST STAGE WAS NOT DETERMINED.

**DAILY STAGE FOR 1991**

**RAYOU LATENACHE BELOW POINTE COUPEE DRAINAGE STRUCTURE (L.A.)**

LOCATION. LAT. 30-43-38, LONG. 91-43-54. ABOUT 300 FEET BELOW DRAINAGE STRUCTURE (FWS).  
(STA. 43505128.)

**GAGE. STAFF TYPE.**

RECORDS AVAILABLE. INTERMITTENTLY, 1968 TO DATE.

[illegible]



## DAILY STAGE FOR 1991

BAYOU ROUGE NEAR PALMETTO, LA.

LOCATION . LAT. 30-45-23, LONG. 91-56-05. ON HIGHWAY 360 BRIDGE ABOUT 5 MILES NORTHEAST OF PALMETTO, LA.  
(STA. 4615512A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. FOR RECORDS 1937 TO 1987, REFER TO GAGE WABPL (FWS) AT BAYOU ROUGE (LA.).

RECORDS AVAILABLE. SEP. 30, 1987 TO DATE.

EXTREMES. HIGHEST, 28.10 FEET ON JAN. 25, 1990. LOWEST, 14.02 FEET ON OCT. 30, 1989 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.49	23.42	23.87	16.59	26.32	21.20	17.33	15.30	15.31	14.99	18.11	15.21
2	15.40	22.50	23.20	16.28	26.20	21.05	16.88	15.28	15.32	14.90	18.81	16.48
3	19.45	21.58	22.52	16.00	26.05	20.59	16.54	15.35	15.27	14.82	18.64	20.70
4	21.43	20.72	21.70	15.78	25.80	19.98	16.82	15.47	15.30	14.75	18.01	21.84
5	21.50	20.35	20.92	15.57	25.69	19.40	17.18	15.48	15.32	14.69	17.51	21.65
6	20.65	20.61	20.10	15.38	25.63	18.88	17.73	15.40	15.35	14.63	17.01	20.79
7	19.99	20.42	19.38	15.25	25.42	18.43	18.25	15.40	15.37	14.61	16.60	19.73
8	19.41	19.96	18.79	15.25	25.84	18.05	18.41	15.39	15.40	14.59	16.28	18.85
9	18.81	19.45	18.67	15.20	26.61	17.72	20.00	15.35	15.41	14.54	16.01	18.13
10	20.75	18.98	18.30	15.19	26.61	17.45	20.43	15.35	15.45	14.52	15.79	17.61
11	25.61	18.60	17.99	15.42	26.49	17.34	20.23	15.43	15.45	14.50	15.65	17.20
12	25.65	18.20	17.93	18.20	26.23	17.60	19.59	15.82	15.42	14.50	15.49	16.90
13	25.40	17.92	17.89	21.12	25.95	17.65	18.75	15.87	15.37	14.49	15.38	16.63
14	24.90	17.72	17.68	22.18	25.51	17.69	17.99	15.82	15.28	14.51	15.28	22.62
15	24.35	17.63	17.43	25.28	25.12	17.59	17.32	15.75	15.19	14.45	15.19	24.33
16	23.60	17.51	17.19	25.70	24.90	17.33	17.65	15.65	15.10	14.40	15.10	24.69
17	22.59	17.42	17.23	25.78	24.45	17.05	17.30	15.60	15.05	14.39	15.05	24.62
18	21.59	17.45	18.01	26.02	23.93	16.83	16.85	15.65	15.00	14.38	15.01	24.05
19	21.75	17.63	18.28	26.01	23.40	16.78	16.43	15.65	14.95	14.37	14.99	23.05
20	22.08	20.00	18.19	25.45	22.70	17.18	16.20	15.60	14.90	14.35	15.34	21.83
21	21.59	23.10	17.98	24.70	22.57	17.18	16.03	15.55	14.85	14.33	15.99	20.88
22	20.83	25.75	17.70	23.82	22.82	16.85	15.85	15.45	14.81	14.37	16.25	20.05
23	20.10	26.00	17.39	23.00	22.58	16.57	15.68	15.37	14.80	14.40	16.23	19.38
24	20.22	25.90	17.01	22.67	22.45	16.31	15.55	15.28	15.06	14.41	16.08	19.18
25	21.65	25.73	16.68	22.20	22.52	16.32	15.48	15.25	15.52	14.41	15.93	19.02
26	21.70	25.49	16.35	23.03	23.90	16.51	15.43	15.31	15.70	14.40	15.78	18.69
27	21.15	25.07	16.10	23.35	23.51	16.58	15.40	15.33	15.62	14.50	15.60	18.32
28	20.50	24.52	15.89	23.09	22.70	16.63	15.38	15.35	15.45	14.85	15.48	17.99
29	19.97	-----	16.41	24.90 F	21.92	17.44	15.35	15.32	15.28	15.11	15.35	17.70
30	23.25	-----	16.83	26.30	21.59	17.65	15.32	15.28	15.12	15.31	15.27	17.48
31	24.00	-----	16.79	-----	21.13	-----	15.32	15.33	-----	16.90	-----	17.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.46	21.06	18.40	20.82	24.40	17.79	17.05	15.47	15.25	14.66	16.11	19.77
MAX	25.65	26.00	23.87	26.30	26.61	21.20	20.43	15.87	15.70	16.90	18.81	24.69
MIN	15.40	17.42	15.89	15.19	21.13	16.31	15.32	15.25	14.80	14.33	14.99	15.21
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 18.51.

HIGHEST STAGE WAS 26.70 AT 2:30 P.M. ON MAY 9.

LOWEST STAGE WAS 14.33 ON OCT 20 AND LATER DATE(S).

## DAILY STAGE FOR 1991

BIG DARBONNE BAYOU (FWS) AT COURTABLEAU, LA.

LOCATION. LAT. 30-33-05, LONG. 91-51-53. NORTH OF U. S. HIGHWAY 190, ON EAST SIDE OF DARBONNE BAYOU CONTROL STRUCTURE. (STA. 4630012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1934, 1941 TO 1958, AND 1961 TO 1966. DAILY, MAY 1966 TO DATE.

EXTREMES. (FROM INCOMPLETE RECORD) HIGHEST, 25.9 FEET ON MAY 3, 1945. LOWEST, 10.5 FEET ON SEP. 15, 1954.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 14.90	18.85	17.50 G	15.10	18.40	18.40 G	15.90 G	14.25 G	13.80 G	14.40	15.60 G	14.50
2	G 15.00	18.80	17.60 G	15.00	18.50	18.30 G	15.85 G	14.20 G	14.40 G	14.30	16.10 G	14.40
3	G 16.10	18.70	17.65 G	14.95	18.45	18.20 G	15.90 G	14.10 G	14.45 G	14.25	16.10 G	15.60
4	16.90	18.60	17.70 G	14.90	18.55	18.10 G	15.75 G	14.00 G	14.40 G	14.30	16.00 G	16.35
5	16.85 G	18.50	17.75 G	14.85	18.65	18.00 G	15.65 G	14.00 G	14.45 G	14.35	15.90	16.80
6	16.70 G	18.45	17.60 G	14.80	18.70 G	17.75 G	15.55 G	13.95 G	14.40 G	14.30	15.50	16.70
7	16.90	18.50	17.50 G	14.70	18.65 G	17.70 G	15.50 G	13.90 G	14.70 G	13.90	15.30	16.70
8	16.90	18.40 G	17.40 G	14.75	18.85 G	17.50 G	15.40 G	13.85 G	14.85 G	13.85	15.35	16.60
9	16.60	18.30 G	17.30 G	14.70	19.15 G	17.40 G	15.35 G	13.85 G	15.00 G	13.80	14.90	16.60
10	17.15	18.10 G	17.20 G	14.65	19.20 G	17.30 G	15.30 G	13.90 G	14.95 G	13.60	14.80	16.40
11	18.40	17.90 G	17.10 G	14.70	19.35 G	17.20 G	16.20 G	13.95 G	14.90 G	13.40	14.60	16.30
12	17.60	17.60 G	17.00 G	14.75	19.25 G	16.90 G	16.00 G	13.90 G	14.80 G	13.40	14.55	16.20
13	18.20	17.50 G	16.90 G	15.30	19.15 G	16.80 G	15.90 G	14.00 G	14.75 G	13.35	14.20	16.10
14	18.10 G	17.35 G	16.80 G	15.50	19.10 G	16.70 G	15.80 G	14.10 G	14.50 G	13.30	14.10	16.70
15	17.95 G	17.10 G	16.75 G	15.60	19.00 G	16.65 G	15.60 G	14.30 G	14.40 G	13.30	14.00	17.00
16	18.15 G	16.75 G	16.70	17.40	19.25 G	16.60 G	15.50 G	14.40 G	14.45 G	13.25	14.00	17.20
17	18.20 G	16.70 G	16.75	17.50	19.15 G	16.30 G	15.45 G	14.50 G	14.40 G	13.20	14.00	17.30
18	18.40 G	16.60 G	16.80	17.30	19.10 G	16.20 G	15.40 G	14.45 G	14.35 G	13.20	14.00	17.20
19	18.50 G	16.30 G	16.70	17.40	19.00 G	16.10 G	15.30 G	14.40 G	14.30 G	13.00	13.95	17.15
20	18.55 G	16.60 G	16.60	17.45	18.95 G	15.95 G	15.20 G	14.35 G	14.25 G	12.90	13.90	17.20
21	18.50 G	16.85 G	16.50	17.50	18.90 G	15.90 G	15.10 G	14.30 G	14.00 G	12.85	14.40	17.10
22	18.60	17.25 G	16.45	17.60	18.85 G	15.85 G	15.00 G	14.25 G	13.30 G	12.85	14.90	17.00
23	18.65	17.30 G	16.20	17.65	18.80 G	15.80 G	14.90 G	14.20 G	13.85 G	12.90	15.20	17.10
24	18.70	17.80 G	15.90	17.65	18.75 G	15.70 G	14.85 G	14.20 G	13.80 G	12.95	15.30	17.00
25	18.75	17.70 G	15.70	17.70	18.70 G	15.65 G	14.80 G	14.15 G	13.80 G	12.90	15.40	17.05
26	18.85	17.75 G	15.60	17.75	18.60 G	16.10 G	14.70 G	14.10 G	13.75 G	13.00	15.30	17.00
27	18.80	17.70 G	15.55	17.80	18.50 G	16.20 G	14.65 G	14.00 G	13.70 G	13.10	15.40	16.90
28	18.75	17.60 G	15.50	17.85	18.60 G	16.35 G	14.60 G	13.95 G	14.00 G	13.15 G	14.80	16.95
29	18.80	----- G	15.45	17.95	18.50 G	16.15 G	14.55 G	13.90 G	14.30 G	13.10 G	14.70	16.90
30	18.90	----- G	15.40	18.15	18.45 G	16.00 G	14.50 G	13.85 G	14.35 G	13.15 G	14.60	16.80
31	18.95	----- G	15.20	-----	18.50	----- G	14.30 G	13.90	-----	13.40	-----	16.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.82	17.70	16.67	16.30	18.82	16.79	15.30	14.10	14.31	13.44	14.89	16.63
MAX	18.95	18.85	17.75	18.15	19.35	18.40	16.20	14.50	15.00	14.40	16.10	17.30
MIN	14.90	16.30	15.20	14.65	18.40	15.65	14.30	13.85	13.30	12.85	13.90	14.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR WHICH GAGES WERE CLOSED WAS 365

GAGES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 16.63

HIGHEST STAGE WAS 19.35 ON MAY 3, 1945

LOWEST STAGE WAS 12.85 ON OCT 15, 1954 AND LATER DATE(S).

## DAILY STAGE FOR 1991

WABPL BORROW PIT (FWS) NEAR COURTABLEAU, LA.

LOCATION. LAT. 30-32-07, LONG. 91-51-23. ON RIGHT BANK 1000 FEET NORTH OF BAYOU COURTABLEAU DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU. (STA. 4637512E.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. GAGE HAS BEEN KNOWN AS BAYOU COURTABLEAU CROSSING, FWS.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO 1950, 1953, AND 1956 TO 1957. DAILY, MAY 1968 TO DATE. DISCHARGE, 1932 TO 1934.

EXTREMES. HIGHEST, 26.0 FEET ON APR. 28, 1945. LOWEST, 10.6 FEET ON OCT. 15 AND LATER DATES IN 1972.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.90	18.85	17.50	15.10	18.40	18.40	15.90	14.25	13.80	14.40	15.60	14.50
2	15.00	18.80	17.60	15.00	18.50	18.30	15.85	14.20	14.40	14.30	16.10	14.40
3	16.10	18.70	17.65	14.95	18.45	18.20	15.90	14.10	14.45	14.25	16.10	15.60
4	16.85	18.60	17.70	14.90	18.60	18.10	15.70	14.00	14.40	14.30	16.00	16.35
5	16.80	18.50	17.75	14.85	18.70	18.00	15.60	14.00	14.45	14.35	15.90	16.80
6	16.70	18.45	17.65	14.80	18.75	17.80	15.50	13.95	14.40	14.30	15.50	16.70
7	16.90	18.50	17.50	14.70	18.70	17.70	15.40	13.90	14.70	13.90	15.30	16.70
8	16.90	18.40	17.40	14.75	18.90	17.50	15.40	13.85	14.85	13.85	15.35	16.60
9	16.80	18.30	17.30	14.70	19.20	17.40	15.30	13.85	15.00	13.80	14.90	16.60
10	17.10	18.10	17.20	14.65	19.25	17.30	15.25	13.90	14.95	13.60	14.80	16.40
11	18.40	17.90	17.10	14.70	19.40	17.20	16.20	13.95	14.90	13.40	14.60	16.30
12	17.60	17.60	17.00	14.75	19.30	16.90	16.00	13.90	14.80	13.40	14.55	16.20
13	17.80	17.50	16.90	15.30	19.20	16.80	15.90	14.00	14.75	13.35	14.20	16.10
14	17.85	17.35	16.80	15.50	19.15	16.70	15.80	14.10	14.50	13.30	14.10	16.70
15	17.90	17.10	16.70	15.60	19.10	16.65	15.60	14.30	14.40	13.30	14.00	17.00
16	18.20	16.80	16.65	17.40	19.30	16.60	15.55	14.40	14.45	13.25	14.00	17.20
17	18.30	16.70	16.60	17.50	19.20	16.30	15.50	14.50	14.40	13.20	14.00	17.30
18	18.40	16.60	16.80	17.30	19.15	16.20	15.45	14.45	14.35	13.15	14.00	17.20
19	18.50	16.30	16.70	17.40	19.10	16.10	15.30	14.40	14.30	13.00	13.95	17.15
20	18.55	16.60	16.60	17.45	19.00	15.95	15.20	14.35	14.25	12.90	13.90	17.20
21	18.50	16.90	16.50	17.50	18.95	15.90	15.10	14.30	14.00	12.85	14.40	17.10
22	18.60	17.20	16.45	17.60	18.90	15.85	15.00	14.25	13.30	12.85	14.90	17.00
23	18.65	17.25	16.20	17.65	18.85	15.80	14.95	14.20	13.85	12.90	15.20	17.10
24	18.70	17.80	15.90	17.65	18.80	15.70	14.90	14.20	13.80	12.95	15.30	17.00
25	18.75	17.70	15.70	17.70	18.70	15.65	14.80	14.15	13.80	12.90	15.40	17.05
26	18.85	17.75	15.60	17.75	18.60	16.10	14.70	14.10	13.75	13.00	15.30	17.00
27	18.80	17.70	15.55	17.80	18.55	16.20	14.65	14.00	13.70	13.10	15.40	16.90
28	18.75	17.60	15.50	17.85	18.60	16.40	14.60	13.95	14.00	13.15	14.80	16.95
29	18.80	-----	15.45	18.00	18.50	16.10	14.55	13.90	14.30	13.10	14.70	16.90
30	18.90	-----	15.40	18.15	18.45	16.00	14.50	13.85	14.35	13.15	14.60	16.80
31	18.95	-----	15.20	-----	18.50	-----	14.30	13.90	-----	13.40	-----	16.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.80	17.70	16.66	16.30	18.86	16.79	15.30	14.10	14.31	13.44	14.89	16.63
MAX	18.95	18.85	17.75	18.15	19.40	18.40	16.20	14.50	15.00	14.40	16.10	17.30
MIN	14.90	16.30	15.20	14.65	18.40	15.65	14.30	13.85	13.30	12.85	13.90	14.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 16.06.

HIGHEST STAGE WAS 19.40 ON MAY 11.

LOWEST STAGE WAS 12.85 ON OCT 21 AND LATER DATE(S).

## DAILY STAGE FOR 1991

## BAYOU COURTABLEAU OUTLET CHANNEL NEAR NORTHEAST WING WALL (LA.)

LOCATION. LAT. 30-32-02, LONG. 91-51-20. ON NORTHEAST WINGWALL OF DRAINAGE STRUCTURE,  
1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 4660012E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 28, 1957 TO DATE.

EXTREMES. HIGHEST, 22.99 FEET ON MAY 26 AND 27, 1973. LOWEST, 8.43 FEET ON OCT. 6 AND 7, 1980.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.18	18.65	17.25	14.38								
2	15.15	18.65	17.30	14.40								
3	15.46	18.62	17.30	14.39								
4	16.55	18.50	17.30	14.38								
5	16.80	18.54	17.31	14.34								17.02
6	16.75	18.42	17.37	14.33								16.91
7	16.75	18.40	17.34	14.38								16.81
8	16.73	18.27	17.25	14.40								16.69
9	16.69	18.12	17.21	14.40								16.49
10	16.92	17.95	17.17	14.40								16.34
11	17.37	17.75	17.12	14.96								16.21
12	17.60	17.54	17.04	14.75								16.10
13	17.76	17.30	16.95	14.78								15.97
14	17.86	17.07	16.86	15.01								16.98
15	18.02	16.80	16.78	15.37								17.21
16	18.11	16.52	16.70									17.22
17	18.21	16.28	16.63									17.19
18	18.27	16.08	16.58									17.15
19	18.41	15.87	16.38									17.13
20	18.50	16.22	16.21									17.11
21	18.52	16.85	16.08									17.09
22	18.55	17.25	15.90									17.07
23	18.60	17.36	15.68									17.07
24	18.64	17.40	15.48									17.07
25	18.67	17.25	15.30									17.07
26	18.66	17.20	15.19									17.02
27	18.65	17.25	15.00									16.98
28	18.65	17.25	14.82									16.94
29	18.65	-----	14.68									16.84
30	18.65	-----	14.55									16.93
31	18.65	-----	14.43	-----	-----	-----	-----	-----	-----	-----		16.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.68	17.48	16.36	14.58								16.86
MAX	18.67	18.65	17.37	15.37								17.22
MIN	15.15	15.87	14.43	14.33								15.97
DAYS	31	28	31	15	0	0	0	0	0	0	0	27

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 132

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 16.83.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1991  
BAYOU COURTABLEAU OUTLET CHANNEL NEAR SOUTHEAST WING WALL (LA.)

LOCATION. LAT. 30-31-58, LONG. 91-51-20. ON SOUTHEAST WINGWALL OF DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 4675012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1956 TO 1957. DAILY, MAR. 17, 1957 TO DATE.

EXTREMES. HIGHEST, 22.95 FEET ON MAY 26 AND 27, 1973. LOWEST, 8.70 FEET ON SEP. 24 AND LATER DATES IN 1980.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.40	18.80	17.00	14.45	18.30	18.00	15.70	12.40	12.20	12.00	16.30	13.60
2	15.20	18.90	17.20	14.40	18.40	17.95	15.60	12.35	12.10	11.95	16.40	13.00
3	15.50	18.50	17.25	14.30	18.50	17.90	15.00	12.30	12.15	11.90	16.30	16.90
4	16.60	18.40	17.40	14.25	18.60	17.85	15.35	12.25	12.10	11.95	15.90	17.10
5	16.80	18.30	17.45	14.20	18.70	17.75	15.40	12.20	12.15	12.00	15.40	17.00
6	16.70	18.35	17.40	14.25	18.75	17.60	15.00	12.15	12.10	12.00	15.30	16.80
7	16.80	18.40	17.30	14.30	18.70	17.50	15.30	12.10	12.30	11.95	14.80	16.70
8	16.70	18.30	17.20	14.40	18.80	17.40	15.40	12.00	12.50	11.90	14.85	16.60
9	16.65	18.00	17.10	14.45	19.00	17.30	15.50	12.05	12.70	11.90	13.50	16.50
10	16.85	17.80	17.00	14.40	19.10	17.10	15.55	12.10	12.65	11.70	12.70	16.30
11	17.40	17.70	16.95	14.45	19.30	16.90	16.00	12.15	12.60	11.60	12.40	16.20
12	17.60	17.40	17.00	15.00	19.20	16.70	15.00	12.10	12.70	11.80	12.30	16.10
13	17.70	17.30	16.90	14.60	19.10	16.50	14.80	12.20	12.65	11.90	12.20	16.00
14	17.80	17.15	16.80	14.80	19.00	16.40	14.70	12.25	12.40	11.90	11.90	16.80
15	17.90	16.80	16.75	14.90	18.90	16.20	14.50	12.40	12.35	11.95	11.80	17.10
16	18.20	16.40	16.70	17.00	18.95	16.10	14.45	12.50	12.40	11.95	11.60	17.20
17	18.10	16.30	16.65	17.10	18.90	15.90	14.40	12.60	12.35	11.90	11.40	17.25
18	18.30	16.20	16.50	17.00	18.80	15.70	14.35	12.55	12.30	11.90	11.40	17.20
19	18.50	15.90	16.40	17.30	18.90	16.00	14.10	12.50	12.25	10.10	11.35	17.00
20	18.50	16.20	16.20	17.35	18.95	15.90	13.70	12.45	12.20	10.30	11.30	17.10
21	18.45	16.80	16.10	17.30	18.90	15.50	13.40	12.40	12.00	10.25	11.35	17.15
22	18.40	17.20	16.00	17.40	18.85	15.40	13.30	12.35	11.80	10.25	16.10	17.00
23	18.50	17.30	15.70	17.50	18.80	15.35	13.20	12.30	11.75	10.30	15.30	17.10
24	18.60	17.40	15.50	17.60	18.75	15.20	13.10	12.30	11.70	10.35	15.40	17.05
25	18.70	17.45	15.30	17.65	18.60	15.35	13.00	12.25	11.70	10.30	15.80	17.00
26	18.60	17.30	15.20	17.70	18.50	16.50	12.90	12.20	11.65	10.40	15.30	17.00
27	18.80	17.20	15.10	17.80	18.40	15.20	12.85	12.15	11.60	10.50	15.35	16.90
28	18.75	17.10	15.00	17.90	18.30	16.80	12.80	12.10	11.80	10.55	13.50	16.85
29	18.70	-----	14.95	17.95	18.20	15.80	12.60	12.15	11.90	10.50	13.30	16.80
30	18.80	-----	14.90	18.20	18.15	15.75	12.50	12.10	11.95	10.55	14.60	16.70
31	18.90	-----	14.50	-----	18.10	-----	12.45	12.30	-----	10.65	-----	16.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.69	17.46	16.37	16.00	18.72	16.52	14.25	12.26	12.17	11.26	13.84	16.60
MAX	18.90	18.90	17.45	18.20	19.30	18.00	16.00	12.60	12.70	12.00	16.40	17.25
MIN	15.20	15.90	14.50	14.20	18.10	15.20	12.45	12.00	11.60	10.10	11.30	13.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 336  
THE MEAN STAGE FOR THE YEAR WAS 15.34.  
HIGHEST STAGE WAS 19.30 ON MAY 11.  
LOWEST STAGE WAS 10.10 ON OCT 19.

## DAILY STAGE FOR 1991

## BAYOU COURTABLEAU OUTLET CHANNEL AT STATION 225+00 (LA.) (EAST AUTO.)

LOCATION. LAT. 30-28-30, LONG. 91-50-20. ON TOWER, 5.5 MILES SOUTHEAST OF COURTABLEAU, LA.  
(STA. 4907512E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 9, 1959 TO DATE.

EXTREMES. HIGHEST, 23.19 FEET ON MAY 26 AND 27, 1973. LOWEST, (FROM INCOMPLETE RECORD) 9.20 FEET  
ON AUG. 11 AND 12, 1980.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					18.38	18.41	15.84	12.82	12.52	12.09	16.24	13.80
2					18.47	18.31	15.77	12.75	12.45	11.86	16.34	13.25
3					18.57	18.20	15.07	12.72	12.49	11.66	16.25	16.84
4					18.63	18.07	15.58	12.75	12.54	11.58	16.01	16.95
5					18.74	17.92	15.57	12.70	12.58	11.54	15.59	16.93
6					18.74	17.74	14.77	12.67	12.64	11.50	15.36	16.84
7					18.76	17.64	15.45	12.67	12.80	11.44	14.45	16.77
8					18.90	17.48	15.57	12.69	13.02	11.39	13.99	16.70
9					19.12	17.34	15.65	12.74	13.08	11.33	13.55	16.56
10					19.43	17.21	15.74	12.73	13.05	11.29	13.14	16.37
11					19.47	17.01	16.09	12.76	12.90	11.26	12.69	16.26
12			F 17.17		19.44	16.88	15.12	12.77	12.70	11.24	12.37	16.19
13					19.37	16.73	14.80	12.85	12.51	11.22	12.17	16.11
14					19.32	16.69	14.59	12.87	12.38	11.19	12.01	16.83
15					19.30	16.45	14.37	13.03	12.27	11.15	11.88	17.08
16					19.33	16.26	14.32	13.03	12.17	11.14	11.79	17.11
17				F 16.98	19.25	16.08	14.24	12.96	12.14	11.12	11.70	17.12
18			F 17.15		19.21	16.11	14.16	12.93	12.12	11.10	11.65	17.10
19					17.26	19.14	16.15	14.01	12.89	11.96	11.07	17.07
20					17.35	19.07	16.08	13.85	12.85	11.88	11.03	17.06
21			F 16.22	17.40	19.05	15.72	13.64	12.82	11.85	11.01	11.80	17.05
22				17.42	18.98	15.62	13.45	12.81	11.83	10.99	16.12	17.04
23	F 18.78			17.60	18.91	15.53	13.29	12.79	11.81	11.10	15.46	17.04
24				17.62	18.92	15.43	13.17	12.74	11.80	11.07	15.46	17.05
25				17.70	18.87	15.60	13.07	12.72	12.00	11.07	15.74	17.05
26				17.77	18.84	16.51	F 13.03	12.69	12.32	11.06	15.44	17.05
27				17.87	18.75	15.60		12.65	12.60	11.06	14.42	17.04
28				17.91	18.65	16.50		12.63	12.61	11.14	13.87	16.99
29		-----		18.06	18.57	15.97		12.63	12.50	11.07	13.42	16.90
30		-----		18.28	18.51	15.89		12.63	12.32	11.07	14.94	16.80
31		-----	-----	-----	18.50	-----	F 12.82	12.73	-----	11.24	-----	16.65

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.78		16.70	17.60	18.94	16.70	14.56	12.77	12.39	11.26	13.90	16.63
MAX	18.78		17.17	18.28	19.47	18.41	16.09	13.03	13.08	12.09	16.34	17.12
MIN	18.78		16.22	16.98	18.38	15.43	12.82	12.63	11.80	10.99	11.58	13.25
DAYS	1	0	2	14	31	30	27	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 258  
F=NOT AT STATED TIME  
THE MEAN STAGE FOR THE YEAR WAS 14.84.  
HIGHEST STAGE WAS 19.48 AT 8:30 A.M. ON MAY 10.  
LOWEST STAGE WAS 10.97 ON OCT 22.

## DAILY STAGE FOR 1991

WABPL (FWS) AT CLEON, LA.

LOCATION. LAT. 30-19-42 LONG. 91-47-15. ON TEXAS OIL CO. WHARF, 300 FEET NORTH OF INTERSTATE 10 OVERPASS. (STA. 4912012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, DEC. 5, 1934 TO OCT. 12, 1935, 1937 TO 1938, AND MAR. 22, 1957 TO DATE. INTERMITTENTLY, 1940 TO 1945.

EXTREMES. HIGHEST, 25.6 FEET FROM APR. 23 TO MAY 3, 1945. LOWEST, (FROM INCOMPLETE RECORD) 4.01 FEET ON NOV. 24, 1967.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.71	18.88	16.85	14.38	18.25	18.23	14.29	10.03	9.19	8.55	8.53	9.85
2	11.99	18.80	17.11	14.35	18.37	18.14	14.15	9.95	9.18	8.55	8.63	9.85
3	12.36	18.70	17.20	14.33	18.45	18.04	14.01	9.89	9.20	8.55	8.84	9.89
4	12.70	18.57	17.25	14.32	18.57	17.90	13.81	9.83	9.18	8.55 F	9.17	9.99
5	13.20	18.60	17.29	14.32	18.63	17.77	13.67	9.76	9.19	8.54 F	9.54	10.32
6	13.75	18.47	17.32	14.34	18.70	17.60	13.54	9.71	9.18	8.54	9.80	10.84
7	14.34	18.37	17.35	14.39	18.75	17.49	13.44	9.66	9.17	8.50	10.00	11.25
8	14.81	18.24	17.35	14.43	18.93	17.34	13.35	9.68	9.20	8.49	9.83	11.59
9	15.24	18.08	17.30	14.45	19.05	17.20	13.19	9.64	9.22	8.46	9.56	11.87
10	15.75	17.90	17.27	14.53	19.35	17.07	13.02	9.59	9.24	8.45	9.28	12.19
11	16.39	17.72	17.23	14.58	19.39	16.86	12.86	9.57	8.95	8.44	8.96	12.49
12	16.79	17.50	17.15	14.65	19.35	16.74	12.74	9.55	8.61	8.42	8.60	12.79
13	17.21	17.29	17.06	14.75	19.30	16.58	12.55	9.55	8.32	8.41	8.20	13.05
14	17.48	17.09	16.95	14.83	19.25	16.47	12.30	9.51	8.29	8.40	8.25	13.35
15	17.74	16.80	16.87	15.16	19.26	16.30	12.06	9.50	8.35	8.39	8.33	13.70
16	17.91	16.57	16.79	15.45	19.25	16.10	11.70	9.50	8.35	8.37	8.37	14.10
17	18.05	16.33	16.75	15.82	19.20	15.89	11.41	9.45	8.34	8.35	8.41	14.50
18	18.17	16.10	16.65	16.25	19.15	15.74	11.14	9.40	8.33	8.34	8.43	14.83
19	18.35	15.86	16.50	16.54	19.09	15.62	10.85	9.36	8.40	8.32	8.45	15.13
20	18.42	15.99	16.35	16.80	19.03	15.48	10.84	9.35	8.40	8.30	8.54	15.36
21	18.50	16.06	16.16	17.06	18.97	15.35	10.76	9.32	8.37	8.29	8.56	15.57
22	18.54	16.18	15.98	17.22	18.92	15.16	10.69	9.27	8.38	8.28	8.63	15.75
23	18.56	16.35	15.80	17.36	18.85	15.00	10.60	9.25	8.38	8.30	8.73	15.90
24	18.66	16.48	15.62	17.46	18.85	14.83	10.53	9.21	8.43	8.35	8.97	16.01
25	18.70	16.60	15.40	17.56	18.79	14.70	10.44	9.19	8.48	8.35	9.20	16.10
26	18.71	16.71	15.20	17.65	18.72	14.63	10.35	9.15	8.47	8.34	9.42	16.15
27	18.72	16.77	15.00	17.77	18.64	14.65	10.39	9.19	8.50	8.35	9.63	16.20
28	18.73	16.85	14.84	17.83	18.55	14.59	10.36	9.14	8.51	8.44	9.76	16.20
29	18.70	-----	14.69	17.97	18.38	14.57	10.29	9.11	8.54	8.44	9.82	16.20
30	18.74	-----	14.57	18.14	18.30	14.44	10.21	9.10	8.55	8.50	9.84	16.17
31	18.91	-----	14.46	-----	18.30	-----	10.15	9.19	-----	8.47	-----	16.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.70	17.28	16.40	15.82	18.86	16.22	11.93	9.47	8.70	8.42	9.01	13.65
MAX	18.91	18.88	17.35	18.14	19.39	18.23	14.29	10.03	9.24	8.55	10.00	16.20
MIN	11.71	15.86	14.46	14.32	18.25	14.44	10.15	9.10	8.29	8.28	8.20	9.85
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 13.52.

HIGHEST STAGE WAS 19.40 AT NOON ON MAY 10.

LOWEST STAGE WAS 8.17 ON NOV 13.

## DAILY STAGE FOR 1991

WABPL BORROW PIT (FWS) AT OPELOUSAS BAY (LA.)

LOCATION. LAT. 30-16-54, LONG. 91-44-11. ON PONTOON BRIDGE, 4.3 MILES SOUTH OF HENDERSON  
LANDING, LA. (STA. 4913512D.)

GAGE. WIRE-WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1935, 1938, 1945, 1946, 1949, 1950, 1961 AND 1969. DAILY, OCT.  
TO DEC. 1967, AND SEP. 1969 TO DATE.

EXTREMES. HIGHEST, 23.60 FEET ON MAY 26, 1973. LOWEST, 3.90 FEET ON SEP. 26 AND 27, 1969.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.10	18.28	16.63	13.92	17.93	16.62	12.31	9.70	8.58	7.30	8.61	9.56
2	11.62	18.15	16.62	13.95	17.91	16.35	12.28	9.60	8.59	7.30	8.80	10.03
3	12.10	18.02	16.70	13.98	17.97	16.30	12.25	9.45	8.60	7.29	8.90	10.35
4	12.42	17.83	16.73	14.02	18.02	16.40	12.23	9.43	8.67	7.29	8.78	10.53
5	13.12	17.40	16.75	14.03	18.14	16.40	12.22	9.41	8.69	7.29	8.70	10.80
6	13.70	17.52	16.80	14.05	18.20	16.42	12.20	9.39	8.71	7.28	8.61	10.91
7	14.05	17.21	16.84	14.05	18.31	16.40	12.15	9.36	8.74	7.26	8.52	11.10
8	14.67	17.11	16.87	14.06	18.40	16.38	12.04	9.32	7.78	7.25	8.50	11.40
9	15.14	16.85	16.90	14.07	18.54	15.40	11.90	9.30	7.78	7.25	8.49	11.67
10	15.67	16.00	16.90	14.12	18.65	15.31	11.83	9.22	7.75	7.24	8.38	11.95
11	15.79	15.95	16.85	14.20	18.78	15.28	11.70	9.26	7.65	7.24	8.30	12.25
12	15.91	15.93	16.67	14.28	18.48	15.13	11.61	9.24	7.58	7.23	8.27	12.36
13	16.00	15.91	16.52	14.38	18.46	15.05	11.40	9.21	7.48	7.23	8.19	12.45
14	16.33	15.89	16.45	14.40	18.42	14.90	11.32	9.18	7.40	7.21	8.13	12.58
15	16.45	15.87	16.38	14.72	18.44	14.70	11.20	9.14	7.35	7.20	8.14	12.65
16	16.60	15.85	16.30	15.03	18.45	14.50	11.12	9.12	7.35	7.18	8.16	12.90
17	16.81	15.60	16.24	15.35	18.44	14.40	11.05	9.10	7.34	7.18	8.16	13.20
18	16.95	15.42	16.12	15.71	18.40	14.28	10.96	9.18	7.34	7.16	8.28	13.57
19	17.02	15.15	16.01	16.01	18.40	14.24	10.80	9.17	7.32	7.15	8.30	13.95
20	17.13	15.30	15.89	16.55	18.36	14.20	10.63	9.16	7.31	7.15	8.34	14.35
21	17.29	15.46	15.78	16.70	18.31	14.16	10.58	9.15	7.31	7.18	8.40	14.90
22	17.41	15.62	15.63	16.86	18.26	14.02	10.53	8.95	7.30	7.20	8.48	15.21
23	17.62	15.81	15.40	16.93	18.09	13.92	10.46	8.93	7.30	7.28	8.68	15.33
24	17.79	15.90	15.20	17.04	18.05	13.73	10.30	8.87	7.30	7.35	8.72	15.40
25	17.95	16.10	15.02	17.12	18.00	13.50	10.15	8.85	7.29	7.45	8.80	15.51
26	18.10	16.15	14.79	17.22	17.85	13.28	10.02	8.83	7.31	7.50	8.86	15.60
27	18.22	15.34	14.60	17.30	17.68	13.03	9.90	8.80	7.32	7.56	8.95	15.72
28	18.35	15.50	14.42	17.41	17.58	12.90	10.52	8.78	7.32	8.00	9.06	15.75
29	18.45	-----	14.28	17.49	17.43	12.71	9.85	8.76	7.30	8.09	9.21	15.16
30	18.44	-----	14.09	17.61	17.05	12.50	9.80	8.75	7.30	8.30	9.45	15.11
31	18.40	-----	14.00	-----	16.86	-----	9.73	8.74	-----	8.52	-----	15.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.02	16.33	15.95	15.42	18.12	14.75	11.13	9.14	7.70	7.39	8.57	13.14
MAX	18.45	18.28	16.90	17.61	18.78	16.62	12.31	9.70	8.74	8.52	9.45	15.75
MIN	11.10	15.15	14.00	13.92	16.86	12.50	9.73	8.74	7.29	7.15	8.13	9.56
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 12.79.

HIGHEST STAGE WAS 18.78 ON MAY 11.

LOWEST STAGE WAS 7.15 ON OCT 19 AND LATER DATE(S).

## DAILY STAGE FOR 1991

WABPL BORROW PIT (FWS) AT BAYOU MERISIER (LA.)

LOCATION. LAT. 30-14-00, LONG. 91-41-55. NORTH (150 FEET) OF PUBLIC BOAT LAUNCH, 1.7 MILES NORTH OF CATANOLA, LA. (STA. 4915012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1950, 1957 AND 1961. DAILY DURING HIGH WATER, JAN. 1966 TO 1969 AND FEB. 23, 1973 TO 1979. DAILY 1980 TO DATE.

EXTREMES. HIGHEST, 23.05 FEET ON MAY 26, 1973. LOWEST, MINUS 0.12 FOOT ON DEC. 24, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.70		15.70	14.05					3.40	2.85	3.86	7.25
2	12.05		15.85		F 17.20				3.40	3.04	3.93	7.47
3			16.05						3.58	3.20	4.89	8.24
4			16.22 F	14.24					3.49	2.95	5.60	9.08
5			16.30	14.10					3.45	2.81	5.96	9.52
6			16.25	14.15					3.37	2.08	5.65	9.85
7			16.30	14.20					3.40	2.01	5.30	10.17
8			16.35	14.25			F 3.93	3.44	2.80	4.07	10.45	10.45
9			16.53	14.27				3.40	2.70	4.27	10.89	10.89
10			16.50	14.37				3.30	2.59	4.40	11.52	11.52
11			16.48	14.45				5.09	2.50	4.63	11.97	11.97
12			16.29	14.60	F 15.75			5.05	2.52	4.90	12.30	12.30
13			16.26	14.70		16.20	F 3.35	4.38	2.44	5.10	12.52	12.52
14		F 14.65	16.16	14.75		15.65		3.31	2.30	5.97	12.90	12.90
15		14.45	16.03	15.00		15.50 F	9.00 F 3.19	3.20	2.44	6.05	13.20	13.20
16	F 17.16	14.35	15.85	15.20 F 17.65	15.35	9.14	3.30	3.19 F 2.35	5.85	13.60	13.60	13.60
17	17.15	14.25	15.88	15.35	15.15	9.30	3.65	3.00	2.30	5.87	13.89	13.89
18	17.17	13.95	15.71	15.39	14.90 F 8.61	3.90	3.05	2.45	6.03	14.08	14.08	14.08
19	17.40	13.87	15.51	15.70	14.70	3.30	2.79	2.14	5.75	14.25	14.25	14.25
20	17.45	14.09	15.05 F	15.80	14.84	3.35	2.15	2.30	5.84	14.53	14.53	14.53
21	17.60	14.29	14.89		F 17.54	14.64	3.15	2.50	2.40	5.75	14.69	14.69
22	17.65	14.54	14.65			14.36	2.95	2.72	2.25	6.10	14.74	14.74
23	17.70	14.59	14.45			14.13	3.05	2.70	2.22	6.49	14.78	14.78
24	17.85	15.00	14.25			14.00	3.10	2.74		6.95	14.77	14.77
25	17.90	15.09	14.00 F	16.45		14.10	3.05	2.76		7.40	14.74	14.74
26	17.95	15.25	13.90				2.99	2.59		7.51	14.85	14.85
27	18.00	15.36	13.77				2.97	2.60		7.33	14.79	14.79
28	18.10	15.65	13.70				3.10	2.55		7.45	14.69	14.69
29	18.00	-----	13.70				3.18	2.59 F	3.00	7.30	14.61	14.61
30	17.90	-----	13.82				3.10	2.82	3.16	7.27	14.50	14.50
31		-----	14.03	-----		-----	3.19	-----	3.20	-----	14.35	14.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.98	14.64	15.37	14.79	17.46	14.95	9.01	3.25	3.20	2.58	5.78	12.55
MAX	18.10	15.65	16.53	16.45	17.65	16.20	9.30	3.93	5.09	3.20	7.51	14.85
MIN	11.70	13.87	13.70	14.05	17.20	14.00	8.61	2.95	2.15	2.01	3.86	7.25
DAYS	17	15	31	19	3	14	4	19	30	26	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 239

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 9.84.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 18.15 AT 1:00 P.M. ON JAN 26 AND LATER DATE(S).

LOWEST STAGE WAS 1.74 ON OCT 6.

## DAILY STAGE FOR 1991

WABPL (FWS) AT LOWER GRAND BAYOU (LA.)

LOCATION. LAT. 30-04-30, LONG. 91-37-13. ON RIGHT BANK OF LOWER GRAND BAYOU AT TEXACO OIL COMPANY DOCK AT DAUTERIVE LANDING, LA. (STA. 4919512D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1973 GAGE ZERO WAS MINUS 0.45 FOOT, NGVD

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1943. DAILY, JUNE 1, 1944 TO DATE.

EXTREMES. HIGHEST, 21.20 FEET ON MAY 22 AND LATER DATES IN 1973. LOWEST, MINUS 0.35 FOOT ON JAN. 21, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.5	14.7	12.3	11.0	14.2	12.8	8.9	3.7	3.2	2.8	3.9	6.6
2	10.0	14.5	12.5	11.2	14.1	12.7	8.7	3.6	3.0	3.0	4.1	7.0
3	10.6	14.4	12.7	11.3	14.2	12.7	8.4	3.6	3.1	3.1	4.6	7.0
4	11.0	14.2	12.8	11.4	14.3	12.6	8.2	3.5	3.3	3.2	4.9	7.1
5	11.4	14.0	12.9	11.4	14.4	12.5	8.1	3.6	3.4	3.0	5.1	7.3
6	11.9	13.8	13.0	11.5	14.4	12.5	8.0	3.6	3.5	2.6	5.4	7.5
7	12.5	13.4	13.0	11.6	14.5	12.4	7.8	3.5	3.5	2.4	5.4	7.7
8	12.8	13.0	13.1	11.7	14.5	12.3	7.6	3.6	3.4	2.3	5.5	7.9
9	13.1	12.5	13.1	11.8	14.6	12.3	7.4	3.5	3.3	2.5	5.4	8.3
10	13.5	12.0	13.0	11.8	14.6	12.2	7.3	3.4	3.2	2.6	5.4	8.6
11	13.8	11.8	13.0	11.9	14.5	12.3	7.0	3.3	3.2	2.5	5.3	8.9
12	14.0	11.5	12.9	12.0	14.4	12.3	6.8	3.3	3.1	2.5	5.3	9.2
13	14.1	11.3	13.0	12.1	14.3	12.1	6.6	3.4	3.1	2.6	5.4	9.5
14	14.2	11.1	12.9	12.3	14.2	12.1	6.3	3.4	3.1	2.6	5.4	9.7
15	14.3	10.9	12.9	12.5	14.3	12.0	6.0	3.3	3.0	2.5	5.3	9.9
16	14.4	10.7	12.9	12.6	14.2	12.0	5.7	3.2	3.0	2.6	5.3	10.1
17	14.5	10.5	12.8	12.7	14.2	11.9	5.4	3.2	3.1	2.5	5.2	10.3
18	14.6	10.5	12.6	12.8	14.1	11.8	5.3	3.1	3.0	2.4	5.3	10.5
19	14.7	10.7	12.4	12.9	14.0	11.4	5.4	3.1	2.6	2.4	5.3	10.7
20	14.8	10.9	12.2	13.1	13.9	11.1	5.5	3.1	2.5	2.5	5.4	10.9
21	14.9	11.1	12.0	13.2	13.8	10.9	5.4	3.0	2.5	2.4	5.4	11.2
22	15.0	11.3	11.8	13.4	13.7	10.5	5.4	2.9	2.4	2.4	5.5	11.4
23	15.1	11.5	11.6	13.5	13.6	10.2	5.4	3.0	2.4	2.3	5.6	11.7
24	15.1	11.6	11.4	13.6	13.6	10.0	5.1	2.9	2.5	2.4	5.7	11.6
25	15.2	11.8	11.2	13.7	13.5	9.9	4.8	2.9	2.5	2.5	5.7	11.6
26	15.3	12.0	11.0	13.8	13.5	9.7	4.6	3.0	2.3	2.6	5.8	11.5
27	15.3	12.1	10.9	13.9	13.4	9.5	4.4	3.0	2.5	2.7	5.9	11.6
28	15.2	12.2	10.9	13.9	13.3	9.4	4.4	2.9	2.5	2.9	5.9	11.6
29	15.1	-----	10.8	14.0	13.1	9.3	4.2	2.9	2.5	3.0	6.1	11.6
30	15.2	-----	10.8	14.1	13.0	9.1	4.0	3.1	2.6	3.1	6.3	11.5
31	14.9	-----	10.9	-----	12.9	-----	3.8	3.1	-----	3.6	-----	11.3

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.7	12.1	12.2	12.6	14.0	11.4	6.2	3.2	2.9	2.7	5.4	9.7
MAX	15.3	14.7	13.1	14.1	14.6	12.8	8.9	3.7	3.5	3.6	6.3	11.7
MIN	9.5	10.5	10.8	11.0	12.9	9.1	3.8	2.9	2.3	2.3	3.9	6.6
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358

THE MEAN STAGE FOR THE YEAR WAS 8.8.

HIGHEST STAGE WAS 15.3 ON JAN 26 AND LATER DATE(S).

LOWEST STAGE WAS 2.3 ON SEP 26 AND LATER DATE(S).

## DAILY STAGE FOR 1991

ARM OF GRAND LAKE NEAR CROOK CHENE COVE (LA.)

LOCATION. LAT. 30-04-35, LONG. 91-31-33. ON TOWER IN CANAL EIGHT MILES WEST OF GRAND LAKE.  
(STA. 4919712D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, JAN. 23, 1976 TO MAY 27, 1976 AND MAR. 17, 1977 TO DATE.

EXTREMES. HIGHEST, 17.26 FEET ON JUN. 4, 1983. LOWEST, 3.81 FEET ON NOV. 3 AND 4, 1983.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						13.76	10.00	6.66	6.25	5.67	5.29	7.14
2						13.65	9.86	6.57	6.24	5.67	5.29	7.21
3						13.57	9.71	6.50	6.23	5.66	5.29	7.29
4						13.48	9.56	6.43	6.22	5.65	5.35	7.43
5						13.37	9.45	6.40	6.22	5.65	5.32	7.55
6						13.26	9.45	6.38	6.21	5.64	5.26	7.68
7						13.20	9.42	6.36	6.21	5.63	5.24	7.83
8						13.14	9.38	6.36	6.21	5.62	5.28	8.03
9						13.13	9.20	6.36	6.20	5.60	5.38	8.27
10						13.13	9.02	6.35	6.19	5.58	5.37	8.55
11						13.13	8.80	6.35	6.19	5.56	5.39	8.95
12						13.11	8.61	6.35	6.18	5.55	5.43	9.46
13						13.03	8.44	6.35	6.17	5.53	5.47	10.04
14						12.90	8.27	6.35	6.16	5.51	5.53	10.61
15						12.74	8.13	6.34	6.15	5.51	5.60	11.00
16						12.54	8.03	6.34	6.14	5.47	5.67	11.28
17						12.34	7.91	6.33	6.14	5.44	6.11	11.52
18						12.13	7.79	6.33	6.13	5.42	6.45	11.73
19						11.93	7.67	6.33	6.13	5.39	6.49	11.92
20						11.75	7.57	6.32	6.08	5.37	6.63	12.00
21						11.58	7.48	6.31	6.02	5.34	6.64	12.19
22						11.38	7.41	6.31	5.97	5.32	6.63	12.31
23						11.15	7.33	6.30	5.84	5.31	6.65	12.39
24				F	14.09	10.94	7.25	6.29	5.79	5.30	6.75	12.44
25						10.87	7.16	6.28	5.77	5.30	6.81	12.47
26						10.65	7.08	6.27	5.76	5.29	6.86	12.49
27						10.60	7.00	6.27	5.74	5.28	6.89	12.48
28						10.45	6.91	6.27	5.73	5.28	6.96	12.45
29		-----				10.30	6.84	6.26	5.71	5.28	7.02	12.38
30		-----			F	13.83	10.15	6.75	5.69	5.28	7.08	12.34
31		-----		-----	13.80	-----	6.74	6.25	-----	5.28	-----	12.26

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN				14.09	13.82	12.25	8.20	6.35	6.06	5.46	6.00	10.38
MAX				14.09	13.83	13.76	10.00	6.66	6.25	5.67	7.08	12.49
MIN				14.09	13.80	10.15	6.74	6.25	5.69	5.28	5.24	7.14
DAYS	0	0	0	1	2	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 217

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.89.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS 5.22 ON NOV 5.

## DAILY STAGE FOR 1991

## BUFFALO COVE AT ROUND ISLAND (LA.)

LOCATION. LAT. 29-59-00, LONG. 91-31-30. ON SOUTHEAST SIDE OF ROUND ISLAND. (STA. 4923513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 26, 1976 TO DATE.

EXTREMES. HIGHEST, 14.98 FEET ON JUN. 3, 1983. LOWEST, (FROM INCOMPLETE RECORD) 0.11 FOOT ON OCT. 17 AND 18, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

## GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.60	13.46	11.13	9.85	12.84	11.90	8.22	3.70	2.97	2.61	3.50	5.53
2	8.99	13.27	11.34	9.90	12.91	11.84	8.04	3.63	3.05	2.91	3.25	5.63
3	9.39	13.09	11.56	9.97	12.95	11.73	7.94	3.55	3.16	2.93	3.86	5.89
4	9.70	12.92	11.62	10.05	13.06	11.64	7.78	3.45	3.11	2.83	4.20	6.16
5	10.20	12.83	11.67	10.13	13.13	11.54	7.65	3.39	3.14	2.74	4.48	6.37
6	10.74	12.59	11.78	10.21	13.21	11.44	7.59	3.34	3.11	1.99	4.70	6.54
7	11.12	12.30	11.86	10.30	13.21	11.37	7.56	3.34	3.09	1.94	4.88	6.72
8	11.40	11.98	11.93	10.41	13.31	11.34	7.50	3.23	3.07	2.55	4.99	6.92
9	11.74	11.57	11.96	10.46	13.32	11.32	7.26	3.20	2.97	2.49	4.85	7.16
10	12.20	11.13	12.00	10.56	13.32	11.34	7.01	3.09	2.96	2.40	4.83	7.46
11	12.62	10.78	12.02	10.65	13.23	11.35	6.78	2.93	2.94	2.35	4.80	7.85
12	12.74	10.47	12.03	10.77	13.12	11.31	6.55	2.93	2.96	2.43	4.73	8.25
13	12.84	10.25	12.02	10.90	13.05	11.25	6.35	2.79	2.87	2.24	4.70	8.61
14	12.95	10.07	11.98	11.02	13.00	11.12	6.14	2.65	2.90	2.26	4.74	9.02
15	13.13	9.90	11.85	11.38	12.99	10.95	5.87	2.77	2.90	2.32	4.79	9.28
16	13.20	9.74	11.71	11.52	13.01	10.78	5.70	2.74	2.79	2.16	4.76	9.49
17	13.26	9.69	11.70	11.60	12.88	10.58	5.49	2.90	2.59	2.16	4.75	9.72
18	13.31	9.64	11.54	11.70	12.83	10.38	5.38	2.96	2.60	2.28	4.81	9.89
19	13.41	9.59	11.36	11.82	12.77	10.20	5.36	2.78	2.51	2.11	4.77	10.04
20	13.45	9.78	11.15	11.91	12.69	9.99	5.33	2.69	1.83	2.20	4.89	10.16
21	13.54	9.87	10.95	11.97	12.64	9.86	5.33	2.62	2.10	2.26	4.84	10.36
22	13.60	10.10	10.76	12.08	12.57	9.66	5.30	2.50	2.31	2.25	4.84	10.46
23	13.63	10.24	10.57	12.15	12.47	9.44	5.20	2.50	2.41	2.29	5.00	10.56
24	13.77	10.40	10.37	12.16	12.46	9.23	5.05	2.56	2.45	2.53	5.10	10.59
25	13.81	10.55	10.16	12.30	12.41	9.14	4.88	2.53	2.44	2.47	5.34	10.59
26	13.84	10.69	9.99	12.55	12.34	8.89	4.66	2.52	2.12	2.56	5.45	10.60
27	13.85	10.80	9.90	12.58	12.21	8.82	4.54	2.64	2.35	2.71	5.48	10.62
28	13.89	10.95	9.85	12.56	12.13	8.67	4.43	2.67	2.36	3.07	5.47	10.63
29	13.86	-----	9.84	12.60	12.05	8.52	4.27	2.66	2.53	3.07	5.51	10.55
30	13.82	-----	9.81	12.77	11.97	8.38	4.11	2.63	2.61	3.17	5.51	10.47
31	13.66	-----	9.80	-----	11.94	-----	3.92	2.82	-----	3.12	-----	10.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.46	11.02	11.17	11.29	12.77	10.47	6.04	2.93	2.71	2.50	4.79	8.79
MAX	13.89	13.46	12.03	12.77	13.32	11.90	8.22	3.70	3.16	3.17	5.51	10.63
MIN	8.60	9.59	9.80	9.85	11.94	8.38	3.92	2.50	1.83	1.94	3.25	5.53
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 8.06.

HIGHEST STAGE WAS 13.89 AT 4:00 P.M. ON JAN 27 AND LATER DATE(S).

LOWEST STAGE WAS 1.70 ON OCT 17 AND 18, 1976.

## DAILY STAGE FOR 1991

## BAYOU FORDOCHE NEAR KROTZ SPRINGS, LA.

LOCATION. LAT. 30-29-10, LONG. 91-48-40. ON BRIDGE (IN OIL AND GAS FIELD) BELOW JUNCTION WITH BAYOU COURTABLEAU, FIVE MILES SOUTHWEST OF KROTZ SPRINGS, LA. (STA. 4925512D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 13, 1954 TO DATE.

EXTREMES. HIGHEST, 23.28 FEET ON MAY 27, 1973. LOWEST, (FROM INCOMPLETE RECORD) 9.90 FEET ON SEP. 14, 1979.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.70	19.70	18.21	15.23	19.12	19.05	16.55	13.48	13.32		16.19	14.47
2	15.69	19.62	18.29	15.20	19.22	19.00	16.48	13.43	13.31		16.71	14.01
3	16.59	19.52	18.30	15.18	19.30	18.91	16.45	13.40	13.32		16.75	16.49
4	17.32	19.40	18.31	15.14	19.40	18.79	16.39	13.39	13.40		16.59	17.02
5	17.42	19.45	18.32	15.12	19.45	18.65	16.30	13.35	13.48		16.43	17.30
6	17.50	19.35	18.33	15.12	19.50	18.45	16.10	13.33	13.49		16.13	17.30
7	17.60	19.29	18.30	15.15	19.52	18.33	16.35	13.31	13.47	F 13.05	15.50	17.32
8	17.55	19.15	18.19	15.18	19.70	18.18	16.49	13.30	13.54		14.89	17.29
9	17.52	19.02	18.13	15.20	19.85	18.03	16.60	13.30	13.60		14.25	17.19
10	17.72	18.85	18.08	15.23	20.15	17.90	16.70	13.28	13.69		17.89	17.11
11	18.20	18.67	18.03	15.29	20.18	17.75	16.81	13.30	13.58		13.68	17.00
12	18.40	18.45	17.92	15.65	20.13	17.62	16.52	13.30	13.50		13.59	16.89
13	18.52	18.22	17.85	15.50	20.10	17.50	16.31		13.43		13.56	16.80
14	18.70	18.02	17.79	15.62	20.03	17.38	16.12		13.40		13.55	17.22
15	18.82	17.81	17.68	16.85	20.05	17.20	15.91		13.38	F 12.91	13.59	17.58
16	18.97	17.59	17.60	17.55	20.05	17.00	15.95		13.35		13.58	17.73
17	19.08	17.39	17.59	17.78	19.99	16.85	15.92				13.58	17.78
18	19.13	17.21	17.50	17.90	19.92	16.75	15.80				13.59	17.79
19	19.30	17.05	17.40	18.00	19.88	16.80	15.55	13.22			13.59	17.78
20	19.39	17.45	17.28	18.09	19.80	16.72	15.30				13.68	17.78
21	19.42	17.75	17.11	18.15	19.78	16.49	15.03			F 12.80	13.69	17.72
22	19.45	18.05	16.96	18.25	19.70	16.30	14.83				15.79	17.71
23	19.48	18.20	16.81	18.32	19.62	16.20	14.53		F 13.23		15.73	17.72
24	19.55	18.27	16.62	18.39	19.63	16.10	14.38				15.73	17.72
25	19.60	18.28	16.45	18.43	19.58		14.09				15.93	17.73
26	19.62	18.24	16.21	18.50	19.54		13.87	13.13			15.75	17.72
27	19.62	18.23	15.94	18.60	19.49		13.77				15.01	17.70
28	19.63	18.22	15.70	18.63	19.39		13.69			12.90	14.43	17.68
29	19.62	-----	15.58	18.79	19.28		13.61				14.07	17.61
30	19.71	-----	15.40	19.00	19.20		13.57	F 13.30	F 13.18		14.92	17.55
31	19.72	-----	15.29	-----	19.20	-----	13.50	13.32	-----	F 13.15	-----	17.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.53	18.44	17.33	16.83	19.67	17.58	15.47	13.32	13.43	12.96	14.81	17.23
MAX	19.72	19.70	18.33	19.00	20.18	19.05	16.81	13.48	13.69	13.15	16.75	17.79
MIN	15.69	17.05	15.29	15.12	19.12	16.10	13.50	13.13	13.18	12.80	13.55	14.01
DAYS	31	28	31	30	31	24	31	16	18	5	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 306

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 16.81.

HIGHEST STAGE WAS 20.18 AT 8:00 A.M. ON MAY 11.

LOWEST STAGE WAS 12.80 ON OCT 21.

## DAILY STAGE FOR 1991

ALABAMA BAYOU (FWS) AT SHERBURNE, LA.

LOCATION. LAT. 30-42-40, LONG. 91-30-56. ON LEFT BANK AT HEAD. (STA. 4940012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1972 TO DATE.

EXTREMES. HIGHEST, 29.40 FEET ON MAY 24, 1973. LOWEST, (FROM INCOMPLETE RECORD) 9.67 FEET ON OCT. 22, 1991.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.99	16.63	16.89	15.52	16.63	16.65	15.49	14.85	13.55			
2	10.99	16.66	16.90	15.43	16.66	16.59	15.44	14.80	13.55			
3	11.75	16.67	16.83	15.33	16.69	16.55	15.46	14.74	13.52			
4	13.94	16.66	16.75	15.20 F	16.75	16.41	15.44	14.68	13.43			
5	14.96	16.75	16.66	15.09	16.74	16.29	15.45	14.63	13.46			
6	15.17	16.76	16.58	14.97	16.71	16.19	15.50	14.57	13.50			14.21
7	15.26	16.73	16.52	14.85	16.66	16.09	15.64	14.51	13.51			13.94
8	15.28	16.68	16.45	14.71	16.78	15.94	15.84	14.46	13.64			13.55
9	15.25	16.63	16.39	14.60	16.94	15.78	15.90	14.43	13.70			13.14
10	15.39	16.56	16.33	14.46	17.30	15.62	15.94	14.39	13.60			12.76
11	16.09	16.46	16.26	14.35	17.36	15.49	15.95	14.44	13.48			12.32
12	16.26	16.36	16.20	14.26	17.26	15.44	15.93	14.52	13.30			12.02
13	16.38	16.25	16.15	14.79	17.18	15.34	15.89	14.56	13.14			11.75
14	16.50	16.15	16.10	15.10	17.10	15.21	15.84	14.59	12.98			11.87
15	16.65	16.00	16.06 F	15.83	17.11	15.04	15.76	14.60	12.80			13.74
16	16.69	15.87	16.03 F	15.97	17.08	14.84	15.71	14.59	12.65			14.86
17	16.70	15.73	16.10 F	16.05	16.99	14.63	15.64	14.60	12.47			15.16
18	16.69	15.59	16.09 F	16.27	16.99	14.79	15.56	14.59	12.37			15.11
19	16.73	15.46	16.07 F	16.35	16.94	14.70	15.49	14.56	12.24			14.85
20	16.68	16.12	16.06		16.90	14.60	15.43	14.53	12.15			14.52
21	16.62	16.48	16.04 F	16.40	16.89	14.49	15.36	14.44	11.97			14.13
22	16.57	16.73	16.00 F	16.40	16.86	14.37	15.31	14.36	11.82 F	9.67	10.52	13.74
23	16.49	16.86	15.96	16.36	16.83	14.34	15.25	14.22	11.64			13.36
24	16.42	16.95	15.94	16.32	16.89	14.25	15.19	14.11				13.06
25	16.44	16.99	15.89	16.31	16.85	15.26	15.14	13.99				12.92
26	16.43	17.00	15.84	16.30	16.86	15.46	15.07	13.85	11.54			12.76
27	16.42	16.97	15.76	16.36	16.83	15.47	15.10	13.74	11.68			12.57
28	16.40	16.92	15.70	16.36	16.79	15.56	15.07	13.62	11.67			12.36
29	16.36	-----	15.66	16.46	16.73	15.58	15.04	13.50	11.54			12.16
30	16.53	-----	15.63	16.59	16.66	15.56	14.96	13.38				11.99
31	16.59	-----	15.58	-----	16.70	-----	14.91	13.57	-----		-----	11.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.67	16.49	16.17	15.62	16.89	15.42	15.47	14.34	12.77	9.67	10.52	13.19
MAX	16.73	17.00	16.90	16.59	17.36	16.65	15.95	14.85	13.70	9.67	10.52	15.16
MIN	10.99	15.46	15.58	14.26	16.63	14.25	14.91	13.38	11.54	9.67	10.52	10.69
DAYS	31	28	31	29	31	30	31	31	27	1	1	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 300

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 15.20.

HIGHEST STAGE WAS 17.52 AT 11:00 A.M. ON MAY 10.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 9.67 ON OCT 22.

## DAILY STAGE FOR 1991

## UPPER GRAND RIVER AT LITTLE TENSAS BAYOU (LA.)

LOCATION. LAT. 30-14-23, LONG. 91-31-35. ON TOWER (RIGHT BANK) OF LITTLE TENSAS BAYOU, ABOUT 300 FEET SOUTH OF JUNCTION WITH UPPER GRAND RIVER. (STA. 49440120.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1971 TO DATE.

EXTREMES. HIGHEST, 23.62 FEET ON MAY 23, 1973. LOWEST, (FROM INCOMPLETE RECORD) 1.10 FEET ON OCT. 9, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

## GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.40	16.90	14.60 F	13.40	16.45	15.25	10.67	4.44	4.15	3.65	4.73	7.55
2	12.70	16.70	14.75	13.42	16.60	15.15	10.45	4.53	4.24	3.95	4.60	7.77
3	13.17	16.55	14.95	13.45	16.60	15.05	10.23	4.44	4.39	3.95	5.49	8.40
4	13.68	16.35	15.00	13.50	16.75	14.95	9.95	4.40	4.25	3.84	6.01	9.00
5	14.35	16.25	15.10	13.60	16.80	14.85	9.68	4.37	4.25	3.75	6.30	9.25
6	14.60	15.92	15.15	13.70	16.90	14.75	9.65	4.38	4.20 F	3.15	6.54	9.47
7		15.55	15.20	13.75	16.80	14.77	9.49	4.39	4.16 F	3.12	6.83	9.65
8		15.11	15.25	13.80	16.95	14.72		4.35	4.16 F	3.61	6.86	9.98
9		14.50	15.33	13.90	16.95	14.67		4.39	4.08	3.54	6.62	10.27
10		14.07	15.35	14.00	16.90	14.63		4.17	4.04	3.42	6.56	10.86
11		13.75	15.35	14.15	16.90	14.55	8.15	4.06	3.96	3.37	6.53	11.40
12		13.48	15.30	14.30	16.80	14.45	7.87	3.89	3.97	3.47	6.32	11.95
13	F	13.25	15.30	14.35	16.75	14.33	7.55	4.18	3.83	3.26	6.35	12.20
14			15.25	14.50	16.75	14.17	7.20	4.40	3.88	3.28	6.40	
15			15.10	14.90	16.65	13.97	6.84	4.20	3.83	3.31	6.42	
16			14.87	15.00	16.55	13.75	6.58	4.25	3.75	3.18	6.30	
17			14.85	15.05	16.45	13.45	6.38	3.99	3.49	3.17	6.30	
18			14.70	15.25	16.35		6.38	3.91	3.54	3.32	6.39	
19			14.45	15.40	16.30		6.54	3.89	3.48	3.11	6.22	
20			14.30	15.45	16.20		6.63	3.75	2.77	3.20	6.35	
21		13.30	14.07	15.55	16.15		6.76	3.68	3.04	3.27	6.27	
22		13.55	13.85	15.65	16.10		6.70	3.65	3.25	3.21	6.43	
23		13.80	13.62	15.70	16.00		6.53	3.69	3.40	3.19	6.82 F	13.74
24		13.95	13.43	15.75	15.90		6.25	3.73	3.40	3.41	7.15	13.75
25		14.05		15.85	15.80 F	11.68	5.94	3.67	3.35	3.35	7.55	13.75
26		14.20		16.00	15.70	11.47	5.64	3.66	3.15	3.43	7.70	13.85
27		14.33		16.00	15.60	11.33	5.52	3.79	3.36	3.60	7.63	13.75
28		14.45		16.00	15.50	11.34	5.40	3.85	3.36	3.95	7.63	13.60
29				16.15	15.45	11.17	5.20	3.76	3.54	3.95	7.55	13.55
30	F	17.15		16.40	15.35	10.97	4.94	3.75	3.65	4.10	7.48	13.50
31		17.05			15.35		4.72	3.96		4.15		

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	14.39	14.76	14.80	14.80	16.33	13.71	7.28	4.05	3.73	3.49	6.54	11.30
MAX	17.15	16.90	15.35	16.40	16.95	15.25	10.67	4.53	4.39	4.15	7.70	13.85
MIN	12.40	13.25	13.43	13.40	15.35	10.97	4.72	3.65	2.77	3.11	4.60	7.55
DAYS	8	21	24	30	31	23	28	31	30	31	30	21

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 308

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 9.83.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 17.15 AT 2:35 P.M. ON JAN 30.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 2.74 ON SEP 20.

## DAILY STAGE FOR 1991

EABPL BORROW PIT (FWS) AT DIXIE BAYOU (LA.)

LOCATION. LAT. 30-27-28, LONG. 91-32-35. AT MILEPOST 29, 4.5 MILES NORTH OF RAMAH, LA.  
(STA. 49510120.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1946, 1949 TO 1950, 1955 TO 1957, 1959 TO 1987  
AND 1989 TO DATE.

## STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				11.29			10.69					
2												
3												
4						12.83			9.55		7.92	7.36
5		14.27	12.50					9.56				
6												
7					13.82					8.96		
8	10.28			11.22								
9												
10							10.67		9.83			7.23
11												
12		12.60	12.70			12.20					7.60	
13								9.60				
14					14.40							
15	12.86						10.34			8.50		
16				11.90					9.57			7.49
17												
18			12.64			11.64						
19		11.63										
20								9.43			7.52	
21					14.01							
22										8.09		
23	14.00			12.50								
24							10.03		9.43			7.63
25			11.85									
26		11.90				10.82		9.28			7.29	
27												
28										8.00		
29	14.57	-----			13.34		9.82					
30		-----		13.29		-----			9.23			9.18
31		-----		-----								

## DAILY STAGE FOR 1991

EABPL BORROW PIT (FWS) AT RAMAH, LA. (ABOVE INTERSTATE 10)

LOCATION. LAT. 30-24-05, LONG. 91-30-47. ABOVE 800 FEET NORTH OF INTERSTATE 10 OVERPASS.  
(STA. 4952512D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE HAS BEEN KNOWN AS EABPL BORROW PIT (FWS) AT RAMAH, LA. (ABOVE RAILROAD FILL).

RECORDS AVAILABLE. INTERMITTENTLY 1955 TO 1957 AND 1959 TO DATE.

STAGE IN FEET												
GAGE ZERO IS AT NGVD (1983 ADJ.)												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				11.33			10.71					
2												
3												7.80
4						12.81			9.58		7.79	
5		14.22	12.53					9.60				
6												
7					13.85					8.98		
8	10.80			11.26								
9												
10							10.69		9.80			7.80
11												
12		12.72	12.73			12.25					7.70	
13								9.55				
14					14.38							
15	12.95						10.37			8.51		
16				11.94					9.61			7.87
17												
18			12.67			11.71						
19		11.69										
20								9.49			7.85	
21					13.94							
22										7.85		
23	14.10			12.53								
24							10.06		9.40			8.10
25			11.88									
26		11.97				10.83		9.30			7.66	
27												
28										7.83		
29	14.58	-----			13.37		9.85					
30		-----		13.30					9.28			9.28
31		-----		-----					-----			

## DAILY STAGE FOR 1991

EABPL BORROW PIT (FWS) NEAR RAMAH, LA. (BELOW INTERSTATE 10)

LOCATION. LAT. 30-22-10, LONG. 91-31-10. APPROXIMATELY 2-1/2 MILES SOUTH OF INTERSTATE 10.  
(STA. 4954212D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, AUG. 8, 1987 TO DATE. FOR RECORDS PRIOR TO 1988 REFER TO GAGE AT  
EABPL BORROW PIT (FWS) AT RAMAH, LA. (STA. 4954012D.)EXTREMES. (FROM 1971 TO DATE) HIGHEST, 19.68 FEET ON APR. 21, 1975. LOWEST, 0.90 FOOT ON JAN. 19,  
1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								5.89	3.14	2.38	3.29	5.39
2								5.85	3.19	2.49	3.17	5.57
3								5.82	3.25	2.61	3.67	5.82
4								5.77	3.24	2.56	4.05	6.26
5								5.72	3.26	2.50	4.31	6.51
6								5.66	3.28	2.12	4.49	6.71
7								5.60	3.28	1.78	4.69	6.88
8								5.55	3.38	2.15	4.71	7.07
9								5.51	3.39	2.32	4.60	7.24
10								5.45	3.43	2.26	4.57	7.48
11								5.46	3.39	2.21	4.53	7.80
12								5.44	3.29	2.20	4.43	8.14
13								5.42	3.15	2.07	4.42	8.44
14								5.42	3.06	2.00	4.46	8.71
15								5.41	2.97	2.02	4.50	8.94
16								5.40	2.87	1.89	4.46	9.16
17								5.38	2.75	1.81	4.50	9.35
18								5.38	2.61	2.01	4.53	9.53
19								5.38	2.58	1.91	4.46	9.68
20								5.36	2.37	1.87	4.59	9.80
21								5.34	2.20	2.05	4.51	9.98
22								5.31	2.27	2.08	4.57	10.11
23								5.25	2.40	2.11	4.77	10.24
24								5.21	2.44	2.20	4.97	10.31
25								5.15	2.46	2.24	5.23	10.40
26								5.10	2.15	2.31	5.36	10.46
27								5.55	2.25	2.41	5.38	10.52
28								5.29	2.20	2.60	5.35	10.57
29		-----						5.22	2.24	2.73	5.39	10.58
30		-----						5.10	2.30	2.79	5.36	10.59
31		-----		-----		-----		5.01	-----	2.89	-----	10.58

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN								5.11	2.83	2.24	4.58	8.67
MAX								5.89	3.43	2.89	5.39	10.59
MIN								3.01	2.15	1.78	3.17	5.39
DAYS	0	0	0	0	0	0	0	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 153  
 THE MEAN STAGE FOR THE YEAR WAS 4.70.  
 HIGHEST STAGE WAS NOT DETERMINED.  
 LOWEST STAGE WAS 1.72 ON OCT 7.

## DAILY STAGE FOR 1991

## UPPER GRAND RIVER (FWS) AT DIKE (LA.)

LOCATION. LAT. 30-13-33, LONG. 91-25-24. ABOUT 0.6 MILE BELOW JUNCTION WITH BAYOU MARINGOUIN (EABPL BORROW PIT). (STA. 4957009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE WAS KNOWN AS GRAND RIVER CROSSING R. S. IN 1933.

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1946, 1949 TO 1950, AND 1963 TO 1965. DAILY, JUNE 28, 1954 TO APR. 6, 1963, AND DEC. 16, 1965 TO DATE.

EXTREMES. HIGHEST, 19.5 FEET FROM MAR. 4 TO 9, 1950. LOWEST, (FROM INCOMPLETE RECORD) 0.50 FOOT ON JAN. 12, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		13.85	11.68	10.73	13.01	12.43	8.86	3.32	2.60		3.56	5.51
2		13.74	11.80	10.74	13.07	12.35	8.65	3.36	2.60			5.64
3		13.63	11.99	10.74	13.14	12.25	8.49	3.33	2.72		4.02	5.99
4		13.52	12.04	10.77	13.21	12.15	8.28	3.28	2.61	2.78	4.31	6.40
5		13.49	12.08	10.82	13.29	12.06	8.10	3.24	2.64	2.72	4.55	6.60
6		13.34	12.14	10.87	13.36	11.97	8.01	3.19	2.64	2.02	4.78	6.76
7		13.14	12.20	10.91	13.38	11.93	7.93	3.18	2.66	2.04	4.91	6.91
8		12.91	12.23	10.96	13.63	11.87	7.82	3.22	2.68	2.51		7.10
9		12.60	12.26	11.00	13.66	11.81	7.55	3.21	2.59	2.51		7.29
10		12.26	12.28	11.06	13.72	11.75	7.24	3.19	2.62	2.41	4.81	7.61
11		11.97	12.30	11.13	13.75	11.69	6.96	3.16	2.59	2.38	4.76	7.96
12		11.70	12.30	11.21	13.71	11.65	6.67	3.19		2.48	4.65	8.31
13		11.47	12.33	11.26	13.66	11.57	6.37	3.19		2.25	4.66	8.56
14		11.25	12.31	11.34	13.62	11.48	6.04	3.20		2.31	4.69	8.88
15		11.08	12.27	11.66	13.66	11.36	5.69	3.20		2.34	4.72	9.09
16		10.88	12.20	11.74	13.51	11.22	5.42	3.20		2.18	4.68	9.27
17		10.78	12.22	11.80	13.42	11.05	5.20	3.19		2.13	4.66	9.45
18		10.66	12.16	11.93	13.35	10.90	5.11	3.20		2.28	4.75	9.59
19		10.55	12.02	13.28	13.28	10.78	5.16	3.19		2.13	4.65	9.71
20		10.81	11.88	12.10	13.21	10.65	5.15	3.20		2.19	4.80	9.83
21		10.89	11.73	12.16	13.18	10.49	5.20	3.20		2.29	4.69	9.98
22		11.05	11.58	12.22	13.11	10.29	5.15	3.19		2.27	4.76	10.07
23		11.14	11.43	12.29	13.03	10.10	5.03	3.19		2.30	4.98	10.18
24	13.74	11.24	11.28	12.32	13.00	9.90	4.84	3.19		2.49	5.14	10.24
25	13.81	11.29	11.10	12.39	12.94	9.73	4.61	3.19			5.40	10.25
26	13.87	11.37	10.99	12.50	12.91	9.54	4.36	3.19		2.59	5.52	10.32
27	13.92	11.44	10.90	12.61	12.82		4.25	2.65		2.81	5.51	10.34
28	13.98	11.53	10.80	12.66	12.71		4.11	2.61		2.97	5.50	10.32
29	13.98	-----	10.76	12.79	12.63		3.95	2.59		3.03	5.49	10.31
30	13.99	-----	10.73	12.93	12.55		3.77	2.60		3.11	5.47	10.29
31	13.93	-----	10.72	-----	12.50	-----	3.57	2.60	-----	3.13	-----	10.21

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.90	11.91	11.77	11.65	13.23	11.27	6.05	3.12	2.63	2.47	4.83	8.68
MAX	13.99	13.85	12.33	12.93	13.75	12.43	8.86	3.36	2.72	3.13	5.52	10.34
MIN	13.74	10.55	10.72	10.73	12.50	9.54	3.57	2.59	2.59	2.02	3.56	5.51
DAYS	8	28	31	30	31	26	31	31	11	27	27	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 312

THE MEAN STAGE FOR THE YEAR WAS 8.47.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 14.0 AT 9:00 P.M. ON JAN 29.

LOWEST STAGE WAS 2.01 ON OCT 6.

## DAILY STAGE FOR 1991

EABPL BORROW PIT (FWS) AT BAYOU SORREL LOCK (LA.)

LOCATION. LAT. 30-07-48, LONG. 91-19-21. IN RECESS AT SOUTHWEST CORNER OF SOUTH GATE BAY SECTION (IWW, MORGAN CITY-PORT ALLEN ROUTE). (STA. 4963009.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. SUBTRACT 0.3 FROM STAGES PRIOR TO 1955.

RECORDS AVAILABLE. INTERMITTENTLY, 1949. DAILY, JAN. 1, 1950 TO DATE.

EXTREMES. HIGHEST, 18.10 FEET ON MAY 23 AND LATER DATES IN 1973. LOWEST, 0.00 FOOT ON JAN. 14 AND 15, 1964 AND OCT. 18, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	5.7 G	10.6 G	7.8 G	7.4 G	9.8 G	8.9 G	6.6 G	2.4	2.5	2.2	G	4.2
2 G	6.0 G	10.5 G	8.0 G	7.5 G	9.8 G	8.8 G	6.3 G	2.3	2.6	2.5	G	4.2
3 G	6.3 G	10.3 G	8.3 G	7.5 G	9.9 G	8.7 G	6.2 G	2.3 G	2.6	2.5	G	4.2
4 G	6.5 G	9.9 G	8.2 G	7.5 G	9.8 G	8.7 G	6.0	2.3 G	2.6	2.5	G	4.3
5 G	6.8 G	9.9 G	8.2 G	7.4 G	9.9 G	8.6 G	6.0	2.3 G	2.6	2.5	G	4.3
6 G	7.0 G	9.7 G	8.4 G	7.4 G	10.0 G	8.6 G	5.8	2.3 G	2.7	1.9	G	4.7
7 G	7.3 G	9.5 G	8.4 G	7.4 G	10.0 G	8.5 G	5.9	2.2 G	2.7	1.7 G	3.5 G	4.7
8 G	7.5 G	9.3 G	8.3 G	7.5 G	10.0 G	8.4 G	5.9	2.5 G	2.7	2.1 G	3.5 G	4.9
9 G	7.7 G	8.9 G	8.4 G	7.5 G	10.5 G	8.4 G	5.7	2.5 G	2.7	2.1 G	3.5 G	5.0
10 G	7.9 G	8.7 G	8.5 G	7.6 G	10.6 G	8.3 G	5.5	2.5	2.7	2.1 G	3.4 G	5.2
11 G	8.3 G	8.4 G	8.5 G	7.7 G	10.5 G	8.3 G	5.3	2.4	2.7	2.1 G	3.4 G	5.4
12 G	8.5 G	8.2 G	8.5 G	7.7 G	10.4 G	8.5 G	5.2	2.3	2.7	2.0 G	3.4 G	5.7
13 G	8.7 G	8.0 G	8.5 G	7.8 G	10.2 G	8.4 G	5.0	2.2	2.5	1.7 G	3.3 G	5.7
14 G	8.9 G	7.8 G	8.6 G	7.9 G	10.1 G	8.3 G	4.7	2.0	2.5	2.0 G	3.3 G	5.8
15 G	9.0 G	7.6 G	8.5 G	8.1 G	10.0 G	8.4 G	4.5	2.0	2.4	2.1 G	3.5 G	6.4
16 G	9.4 G	7.5 G	8.5 G	8.2 G	10.1 G	8.2 G	4.4	2.0	2.4	1.9 G	3.6 G	6.5
17 G	9.4 G	7.3 G	8.6 G	8.2 G	10.0 G	8.2 G	4.3	2.0	2.3	1.9 G	3.6 G	6.7
18 G	9.5 G	7.3 G	8.5 G	8.5 G	10.0 G	8.0 G	4.0	2.2	2.2	1.9 G	3.5 G	6.8
19 G	9.7 G	7.2 G	8.5 G	8.5 G	9.9 G	8.0 G	3.8	2.3	2.3	1.7 G	3.5 G	7.0
20 G	9.8 G	7.3 G	8.3 G	8.6 G	9.9 G	7.8 G	3.7	2.0	1.7	1.6 G	3.7 G	7.2
21 G	9.9 G	7.3 G	8.2 G	8.6 G	9.8 G	7.6 G	3.8	2.0	1.7	1.8 G	3.6 G	7.1
22 G	10.0 G	7.5 G	8.2 G	8.6 G	9.7 G	7.6 G	3.8	2.0	1.8	1.9 G	3.5 G	7.1
23 G	10.1 G	7.5 G	8.1 G	8.7 G	9.7 G	7.4 G	3.7	1.8	2.1	2.1 G	3.6 G	7.5
24 G	10.3 G	7.6 G	8.0 G	8.8 G	9.6 G	7.2 G	3.6	1.8	2.5	2.2 G	3.6 G	7.5
25 G	10.4 G	7.7 G	7.8 G	9.0 G	9.5 G	7.1 G	3.5	1.9	2.2	2.3 G	3.8 G	7.5
26 G	10.5 G	7.7 G	7.6 G	8.9 G	9.5 G	7.0 G	3.3	1.8	2.0	2.3 G	3.8 G	7.5
27 G	10.5 G	7.8 G	7.5 G	9.3 G	9.4 G	6.9 G	3.3	2.0	1.9	2.6 G	3.9 G	7.5
28 G	10.5 G	7.8 G	7.5 G	9.3 G	9.3 G	6.8 G	3.1	2.1	1.9	2.7 G	3.9 G	7.5
29 G	10.7	-----	7.5 G	9.4 G	9.2 G	6.8 G	3.0	2.1	1.8 G	2.7 G	3.9 G	7.5
30 G	10.7	-----	7.5 G	9.7 G	9.2 G	6.6 G	2.9	2.1	2.0	G	3.9 G	7.5
31 G	10.7	-----	7.4	-----	9.1	-----	2.7	2.3	-----	-----	-----	7.5

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.8	8.4	8.2	8.2	9.9	8.0	4.6	2.2	2.3	2.1	3.6	6.1
MAX	10.7	10.6	8.6	9.7	10.6	8.9	6.6	2.5	2.7	2.7	3.9	7.5
MIN	5.7	7.2	7.4	7.4	9.1	6.6	2.7	1.8	1.7	1.6	3.3	4.2
DAYS	31	28	31	30	31	30	31	31	30	29	24	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 357

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 6.1.

HIGHEST STAGE WAS 10.7 ON JAN 29 AND LATER DATE(S).

LOWEST STAGE WAS 1.6 ON OCT 20.

## DAILY STAGE FOR 1991

BIG BAYOU PIGEON (FWS) NEAR PIGEON, LA.

LOCATION. LAT. 30-04-36 LONG. 91-18-33. ON SHELL OIL COMPANY DOCK IN GIWW  
(MORGAN CITY-PORT ALLEN ROUTE) AT JUNCTION WITH BIG BAYOU PIGEON. (STA. 4963509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1971 GAGE WAS KNOWN AS LITTLE BAYOU PIGEON.

RECORDS AVAILABLE. INTERMITTENTLY, 1936 TO 1939, 1949 AND 1950. DAILY, JAN. 1971 TO DATE.

EXTREMES. HIGHEST, 18.20 FEET ON MAY 25, 1973. LOWEST, 0.37 FOOT ON OCT. 18, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.65	10.66	7.82	7.36	9.72	9.03	6.40					
2	5.90	10.45	7.96	7.36	9.79	8.95	6.30					
3	6.14	10.25	8.11	7.36	9.83	8.85	6.18					
4	6.36	10.05	8.16	7.39	9.91	8.76	6.05					
5	6.60	9.97	8.20	7.42	10.02	8.65						
6	6.88	9.79	8.26	7.45	10.10	8.55						
7	7.22	9.55	8.33	7.50	10.12	8.49					B	
8	7.45	9.25	8.36	7.58	10.49	8.41						
9	7.60	8.94	8.40	7.63	10.60	8.36						
10	7.96	8.65	8.44	7.65	10.74	8.35						
11	8.31	8.37	8.46	7.73	10.63	8.39			B			
12	8.52	8.14	8.50	7.79	10.50	8.45						
13	8.73	7.93	8.54	7.83	10.39	8.46						
14	8.89	7.76	8.54	7.94	10.29	8.35						
15	9.10	7.60	8.51	8.20	10.25	8.25						
16	9.32	7.45	8.47	8.26	10.25	8.14						
17	9.45	7.36	8.55	8.35	10.16	8.03						
18	9.56	7.30	8.50	8.46	10.10	7.91						
19	9.76	7.25	8.40	8.56	10.03	7.80					F	6.90
20	9.89	7.34	8.34	8.60	9.94	7.66						
21	9.99	7.33	8.20	8.63	9.87	7.56						
22	10.07	7.45	8.11	8.68	9.79	7.42						
23	10.15	7.47	8.03	8.75	9.67	7.29						
24	10.37	7.53	7.90	8.83	9.64	7.15						
25	10.56	7.55	7.77	8.94	9.63	7.06	B					
26	10.65	7.60	7.65	9.17	9.60	6.93						
27	10.70	7.64	7.58	9.35	9.48	6.81						
28	10.83	7.72	7.52	9.40	9.35	6.72						
29	10.88	-----	7.50	9.49	9.29	6.63						
30	10.92	-----	7.45	9.69	9.16	6.52						
31	10.85	-----	7.38	-----	9.10	-----			-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.88	8.37	8.13	8.24	9.95	7.93	6.23					6.90
MAX	10.92	10.66	8.55	9.69	10.74	9.03	6.40					6.90
MIN	5.65	7.25	7.38	7.36	9.10	6.52	6.05					6.90
DAYS	31	28	31	30	31	30	4	0	0	0	0	1

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 186

B=CHANNEL DRY F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.53.

HIGHEST STAGE WAS 10.95 AT 3:00 P.M. ON JAN 30.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1991

OLD RIVER (FWS) AT JUNCTION WITH GIWW (MORGAN CITY-PORT ALLEN ROUTE) (LA.)

LOCATION. LAT. 29-56-47, LONG. 91-15-35. ON TOWER AT JUNCTON. (STA. 4964510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1939 GAGE WAS KNOWN AS OLD RIVER (FWS) SOUTHWEST OF PIERRE PASS.

RECORDS AVAILABLE. INTERMITTENTLY, 1938 TO 1946 AND 1949. DAILY, NOV. 1934 TO AUG. 1937 AND JAN. 1971 TO DATE.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 16.84 FEET ON MAY 24, 1973. LOWEST, 0.38 FOOT ON OCT. 17, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 E	5.04	9.93 E	7.49	7.28	9.98	9.20	6.30	2.90	3.20	2.80	3.68	4.03
2 E	5.14	9.72 E	7.70	7.27	10.05	9.12	6.19	3.03	3.25	3.13	3.32	4.07
3 E	5.48	9.60 E	7.85	7.29	10.10	9.02	6.06	3.05	3.29	3.15	3.31	4.22
4 E	5.73	9.40 E	7.87	7.33	10.19	8.90	5.94	3.05	3.30	3.10	3.27	4.20
5 E	5.96	9.35 E	8.00	7.35	10.27	8.80	5.84	3.10	3.36	3.05	3.36	4.27
6 E	6.20	9.14 E	8.10	7.40	10.36	8.68	5.83	3.07	3.39	2.25	3.50	4.40
7 E	6.50	8.87 E	8.15	7.45	10.36	8.60	5.89	3.10	3.35	2.20	3.63	4.49
8 E	6.73 E	8.66 E	8.20	7.55	10.76	8.53	5.91	3.15	3.36	2.77	3.69	4.60
9 E	6.87 E	8.35 E	8.25	7.60	10.90	8.46	5.79	3.25	3.23	2.73	3.60	4.72
10 E	7.30 E	8.00 E	8.37	7.65	10.95	8.45	5.63	3.02	3.25	2.70	3.57	4.85
11 E	7.74 E	7.70 E	8.42	7.70	10.84	8.50	5.46	2.82	3.20	2.65	3.56	5.01
12 E	7.98 E	7.44 E	8.45	7.79	10.72	8.60	5.30	2.82	3.28	2.73	3.55	5.23
13 E	8.04 E	7.33 E	8.50	7.88	10.59	8.56	5.14	2.63	3.25	2.55	3.52	5.48
14 E	8.23 E	7.15 E	8.50	8.00	10.45	8.47	4.95	2.45	3.28	2.65	3.55	5.74
15 E	8.48 E	6.98 E	8.55	8.28	10.45	8.35	4.78	2.83	3.30	2.64	3.60	5.88
16 E	8.62 E	6.75 E	8.50	8.36	10.44	8.24	4.64	2.70	3.27	2.37	3.60	6.11
17 E	8.75 E	6.65 E	8.64	8.49	10.36	8.10	4.47	2.94	3.12	2.50	3.63	6.30
18 E	8.89 E	6.70 E	8.57	8.64	10.29	7.99	4.30	3.05	3.06	2.47	3.66	6.50
19 E	9.10 E	6.63 E	8.45	8.72	10.21	7.83	4.17	2.80	3.00	2.30	3.75	6.60
20 E	9.10 E	6.70 E	8.33	8.80	10.13	7.74	4.10	2.72	2.25	2.50	3.90	6.75
21 E	9.20 E	6.70 E	8.20	8.83	10.05	7.60	4.04	2.70	2.55	2.44	3.86	6.95
22 E	9.30 E	6.87 E	8.17	8.86	9.95	7.45	4.05	2.62	2.75	2.54	3.83	7.10
23 E	9.36 E	7.00 E	8.08	8.96	9.85	7.30	3.95	2.60	2.80	2.65	3.85	7.25
24 E	9.65 E	7.00 E	7.94	9.00	9.84	7.14	3.96	2.60	2.92	3.00	3.76	7.30
25 E	9.74 E	7.05 E	7.80	9.15	9.83	7.05	3.84	2.50	2.83	3.06	3.75	7.30
26 E	9.80 E	7.12 E	7.65	9.45	9.77	6.85	3.75	2.59	2.50	3.12	3.82	7.35
27 E	9.86 E	7.15 E	7.55	9.62	9.66	6.73	3.64	2.85	2.45	3.25	3.85	7.37
28 E	10.00 E	7.35 E	7.50	9.65	9.56	6.65	3.53	2.76	2.50	3.41	3.88	7.40
29 E	10.20	-----	7.49	9.75	9.45	6.54	3.38	2.80	2.80	3.48	3.90	7.37
30 E	10.22	-----	7.43	9.94	9.34	6.43	3.25	2.75	2.89	3.50	3.97	7.35
31 E	10.13	-----	7.35	-----	9.28	-----	3.15	3.02	-----	3.53	-----	7.34

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.17	7.76	8.07	8.33	10.16	8.00	4.75	2.85	3.03	2.81	3.66	5.92
MAX	10.22	9.93	8.64	9.94	10.95	9.20	6.30	3.25	3.39	3.53	3.97	7.40
MIN	5.04	6.63	7.35	7.27	9.28	6.43	3.15	2.45	2.25	2.20	3.27	4.03
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 6.12.

HIGHEST STAGE WAS 11.05 AT 5:00 P.M. ON MAY 9.

LOWEST STAGE WAS 1.90 ON OCT 6.

## DAILY STAGE FOR 1991

## INTRACOASTAL WATERWAY NEAR PIERRE PASS, LA.

LOCATION. LAT. 29-54-23, LONG. 91-13-04. ATTACHED TO TELEPHONE POLE NEAR BOAT RAMP IN GIWW  
(MORGAN CITY-PORT ALLÉN ROUTE), 4.2 MILES SOUTH OF PIERRE PASS, LA. (STA. 4969010.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1961, GAGE WAS KNOWN AS BELLE RIVER, FWS.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1946, 1949 TO 1950, 1961. DAILY, JULY 1, 1962 TO  
DATE.

EXTREMES. HIGHEST, 16.00 FEET ON MAY 22 AND LATER DATES IN 1973. LOWEST, MINUS 0.9 FOOT ON JAN.  
14, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.6	9.6	6.6	6.1	8.9	8.0	5.8	2.2	2.4	2.1	2.8	3.1
2	4.8	9.4	6.7	6.1	9.0	7.9	5.7	2.1	2.4	2.2	3.0	3.1
3	5.0	9.2	6.8	6.1	9.0	7.8	5.7	2.0	2.4	2.2	2.8	3.2
4	5.2	9.0	6.9	6.2	9.1	7.6	5.7	2.0	2.4	2.2	2.6	3.2
5	5.5	8.8	7.0	6.2	9.2	7.5	5.6	2.0	2.4	2.2	2.4	3.3
6	5.8	8.6	7.1	6.2	9.3	7.4	5.5	2.0	2.5	1.4	2.4	3.4
7	6.1	8.4	7.2	6.3	9.5	7.4	5.4	2.1	2.5	1.2	2.4	3.4
8	6.3	8.1	7.2	6.4	9.6	7.5	5.2	2.1	2.5	1.4	2.3	3.5
9	6.5	7.9	7.3	6.5	9.7	7.6	5.0	2.0	2.4	1.5	2.2	3.6
10	7.0	7.6	7.3	6.6	9.8	7.7	4.8	1.9	2.3	1.6	2.2	3.7
11	7.5	7.4	7.4	6.7	9.7	7.7	4.6	1.8	2.2	1.7	2.3	3.9
12	7.7	7.1	7.4	6.8	9.4	7.6	4.3	1.7	2.1	1.8	2.3	4.2
13	7.9	6.9	7.3	6.9	9.3	7.5	3.9	1.6	2.0	1.8	2.4	4.5
14	8.2	6.5	7.3	7.0	9.2	7.4	3.8	1.7	1.9	1.8	2.3	4.8
15	8.3	6.3	7.3	7.1	9.2	7.3	3.6	1.8	1.9	1.7	2.5	5.0
16	8.4	6.2	7.2	7.3	9.2	7.2	3.6	1.9	1.9	1.6	2.6	5.2
17	8.5	6.1	7.2	7.3	9.1	7.1	3.5	2.0	1.9	1.5	2.6	5.4
18	8.6	6.0	7.2	7.4	9.1	6.9	3.5	2.0	1.9	1.4	2.7	5.5
19	8.8	6.0	7.1	7.4	9.1	6.8	3.4	2.0	1.9	1.2	2.7	5.6
20	8.9	5.9	6.9	7.5	9.0	6.6	3.3	1.9	1.6	1.2	2.8	5.8
21	9.0	5.8	6.8	7.5	9.0	6.4	3.2	1.8	1.4	1.3	2.8	6.0
22	9.2	5.7	6.7	7.5	9.0	6.2	3.1	1.7	1.4	1.4	2.9	6.1
23	9.3	5.7	6.7	7.7	8.9	6.1	3.0	1.8	1.6	1.5	3.0	6.1
24	9.4	5.9	6.6	7.8	8.8	5.9	2.9	1.8	1.8	1.7	2.0	6.2
25	9.4	6.0	6.5	8.0	8.7	5.8	2.8	1.9	2.0	1.8	2.8	6.2
26	9.5	6.2	6.4	8.2	8.6	5.7	2.6	1.9	1.8	2.0	2.9	6.3
27	9.6	6.4	6.3	8.4	8.5	5.6	2.5	2.0	1.6	2.2	2.9	6.4
28	9.8	6.5	6.3	8.6	8.4	5.4	2.5	2.1	1.8	2.4	2.9	6.4
29	9.8	-----	6.2	8.8	8.3	5.3	2.5	2.2	1.9	2.5	3.0	6.4
30	9.9	-----	6.2	8.8	8.2	5.8	2.4	2.3	2.0	2.7	3.0	6.3
31	9.8	-----	6.1	-----	8.1	-----	2.3	2.3	-----	2.8	-----	6.3

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.9	7.1	6.9	7.2	9.0	6.9	3.9	2.0	2.0	1.8	2.6	4.9
MAX	9.9	9.6	7.4	8.8	9.8	8.0	5.8	2.3	2.5	2.8	3.0	6.4
MIN	4.6	5.7	6.1	6.1	8.1	5.3	2.3	1.6	1.4	1.2	2.0	3.1
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 5.2.

HIGHEST STAGE WAS 9.9 ON JAN 30.

LOWEST STAGE WAS 1.2 ON OCT 7 AND LATER DATE(S).

## DAILY STAGE FOR 1991

LITTLE BAYOU SORREL AT JCT. WITH GIWW (MORGAN-CITY PORT ALLEN ROUTE) (LA.)

LOCATION. LAT. 29-47-47, LONG. 91-10-30. ON TOWER AT JUNCTION WITH GULF INTRACOASTAL WATERWAY.  
(STA. 4972510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 21, 1970 TO DATE.

EXTREMES. HIGHEST, 14.01 FEET (FROM INCOMPLETE RECORD) ON MAY 25, 1973. LOWEST, MINUS 0.88 FOOT  
ON OCT. 17, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		8.95	6.57	6.02	8.34	7.74	4.91	2.26	2.71	2.33	3.14	3.15
2		8.76	6.77	6.02	8.39	7.64	4.77	2.50	2.82	2.72	2.19	3.22
3		8.59	6.85	6.05	8.43	7.52	4.66	2.47	2.75	2.60	2.39	3.40
4		8.41	6.78	6.10	8.48	7.43	4.57	2.56	2.82	2.51	2.28	3.27
5		8.42	6.83	6.11	8.57	7.31	4.48	2.57	2.99	2.40	2.57	3.39
6		8.18	6.94	6.15	8.61	7.20	4.60	2.42	3.00	1.29	2.78	3.53
7		7.92	6.95	6.21	8.56	7.16	4.57	2.58	2.93	1.60	2.93	3.64
8		7.60	7.01	6.36	9.09	7.16	4.56	2.68	2.76	2.10	2.87	3.76
9		7.30	7.04	6.40	9.14	7.12	4.42	2.78	2.67	2.05	2.63	3.90
10		6.98	7.02	6.41	9.13	7.14	4.25	2.59	2.75	2.02	2.66	3.96
11		6.74	7.10	6.50	8.97	7.22	4.09	2.30	2.64	2.00	2.64	4.21
12		6.54	7.15	6.60	8.86	7.26	3.93	2.23	2.80	2.10	2.67	4.43
13		6.41	7.20	6.70	8.76	7.16	3.74	2.09	2.78	1.95	2.63	4.65
14		6.28	7.14	6.84	8.72	7.06	3.56	2.06	2.73	2.06	2.76	4.84
15		6.11	7.06	7.05	8.81	6.95	3.38	2.41	2.84	1.95	2.82	4.85
16		5.90	6.99	7.10	8.75	6.83	3.26	2.09	2.80	1.73	2.76	5.06
17		5.95	7.20	7.15	8.64	6.66	3.04	2.41	2.58	1.99	2.78	5.26
18		5.88	7.11	7.29	8.60	6.55	2.98	2.53	2.62	1.84	2.83	5.44
19		5.86	6.95	7.32	8.55	6.40	3.11	2.16	2.55	1.65	2.91	5.54
20		6.21	6.86	7.36	8.47	6.19	2.98	2.12	1.81	1.90	3.15	5.74
21		6.25	6.76	7.35	8.37	6.07	3.11	2.17	2.16	1.76	2.91	6.04
22		5.94	6.77	7.43	8.31	5.95	3.16	2.01	2.34	1.83	2.90	6.04
23	F	8.61	5.97	6.69	7.54	8.27	5.80	3.13	2.16	2.35	1.92	6.25
24		8.85	6.20	6.51	7.50	8.34	5.61	3.06	2.07	2.50	2.35	6.13
25		8.88	6.26	6.38	7.67	8.31	5.50	2.96	2.05	2.13	2.39	6.10
26		8.97	6.31	6.31	8.01	8.22	5.36	2.91	2.20	1.85	2.54	6.14
27		9.02	6.36	6.32	8.11	8.14	5.26	2.79	2.32	1.66	2.77	6.16
28		9.16	6.45	6.25	8.17	8.01	5.24	2.65	2.33	1.99	3.05	6.16
29		9.26	-----	6.37	8.25	7.91	5.10	2.46	2.24	2.30	3.12	6.10
30		9.30	-----	6.11	8.34	7.83	5.02	2.34	2.25	2.46	3.11	6.11
31		9.14	-----	6.05	-----	7.81	-----	2.36	2.55	-----	3.07	6.08

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.02	6.88	6.78	7.00	8.50	6.55	3.57	2.33	2.54	2.22	2.79	4.92
MAX	9.30	8.95	7.20	8.34	9.14	7.74	4.91	2.78	3.00	3.12	3.15	6.25
MIN	8.61	5.86	6.05	6.02	7.81	5.02	2.34	2.01	1.66	1.29	2.19	3.15
DAYS	9	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 343  
 F=NOT AT STATED TIME  
 THE MEAN STAGE FOR THE YEAR WAS 5.01.  
 HIGHEST STAGE WAS 9.32 AT 10:30 A.M. ON JAN 29.  
 LOWEST STAGE WAS 1.02 ON OCT 6.

## DAILY STAGE FOR 1991

EABPL BORROW PIT AT BAYOU FORDOCHE (LA.) (ABOVE STATE HWY. 10)

LOCATION. LAT. 30-40-07, LONG. 91-39-30. ON NORTH END OF HIGHWAY 10 CULVERT, JUST ABOVE LOWER JUNCTION WITH BAYOU FORDOCHE, SIX MILES EAST OF MELVILLE, LA. (STA. 52040128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1943, 1944, 1947, AND 1950 TO 1955. DAILY, 1948, 1949, AND MAY 22, 1958 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 28.10 FEET ON MAY 18, 1953. LOWEST, CHANNEL DRY ON OCT. 4, 1954, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	20.49	21.40	20.60	19.64	20.46	20.07	20.10	19.50	19.60	19.43	19.61	19.60
2	20.50	21.18	20.59	19.60	20.50	20.00	20.09	19.49	19.60	19.43	19.58	19.67
3	21.39	21.03	20.48	19.54	20.43	19.97	20.07	19.48	19.59	19.43	19.53	19.72
4	21.13	20.89	20.39	19.50	20.34	19.91	20.00	19.44	19.59	19.42	19.51	19.70
5	21.01	21.15	20.37	19.50	20.23	19.87	19.98	19.43	19.62	19.41	19.51	19.70
6	20.95	21.15	20.30	19.50	20.15	19.80	19.94	19.42	19.65	19.40	19.50	19.70
7	21.33	20.94	20.27	19.52	20.09	19.79	19.94	19.41	19.75	19.40	19.50	19.69
8	21.14	20.77	20.20	19.55	20.69	19.73	19.93	19.41	19.92	19.40	19.51	19.69
9	21.01	20.90	20.25	19.60	20.80	19.70	20.28	19.40	19.77	19.40	19.50	19.68
10	22.12	20.53	20.25	19.63	21.00	19.65	20.01	19.40	19.70	19.40	19.50	19.70
11	22.69	20.59	20.21	19.70	20.80	19.65	19.91	19.54	19.61	19.40	19.50	19.70
12	21.97	20.60	20.14	19.71	20.60	19.68	19.84	19.55	19.58	19.40	19.51	19.70
13	21.70	20.50	20.08	19.73	20.42	19.64	19.79	19.52	19.53	19.40	19.52	19.69
14	21.59	20.41	20.03	19.76	20.29	19.64	19.72	19.50	19.50	19.41	19.52	20.00
15	21.58	20.30	20.01	20.60	20.35	19.61	19.71	19.50	19.49	19.42	19.53	19.81
16	21.40	20.33	19.99	20.32	20.29	19.60	19.72	19.51	19.49	19.41	19.54	19.74
17	21.22	20.30	20.08	20.29	20.17	19.61	19.70	19.50	19.45	19.40	19.58	19.70
18	21.03	20.24	20.09	20.50	21.08	19.67	19.67	19.49	19.44	19.40	19.59	19.67
19	21.02	20.24	20.09	20.60	20.51	19.65	19.63	19.48	19.42	19.40	19.60	19.62
20	20.89	21.41	20.08	20.53	20.30	19.69	19.60	19.44	19.39	19.40	19.80	20.39
21	20.72	21.98	20.10	20.41	20.50	19.71	19.60	19.43	19.38	19.40	19.79	20.42
22	20.62	21.72	20.13	20.29	20.30	19.73	19.59	19.42	19.36	19.40	19.75	20.39
23	20.56	21.41	19.93	20.19	20.11	19.69	19.58	19.40	19.35	19.43	19.70	20.32
24	20.79	21.23	19.82	20.11	20.30	19.61	19.51	19.40	19.39	19.42	19.69	20.22
25	20.88	21.09	19.77	20.10	20.20	20.20	19.51	19.39	19.48	19.42	19.64	20.15
26	20.78	20.92	19.73	20.00	20.30	20.35	19.50	19.39	19.47	19.41	19.61	20.10
27	20.67	20.82	19.65	19.98	20.27	20.35	19.50	19.39	19.45	19.45	19.61	20.08
28	20.60	20.70	19.62	19.91	20.20	20.26	19.50	19.39	19.44	19.46	19.60	20.08
29	20.51	-----	19.69	20.39	20.17	20.19	19.50	19.39	19.44	19.45	19.59	20.00
30	22.18	-----	19.69	20.53	20.11	20.12	19.50	19.39	19.45	19.50	19.60	20.00
31	21.59	-----	19.68	-----	20.10	-----	19.50	19.47	-----	19.50	-----	19.99

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.16	20.88	20.07	19.97	20.39	19.84	19.76	19.45	19.53	19.42	19.58	19.89
MAX	22.69	21.98	20.60	20.60	21.08	20.35	20.28	19.55	19.92	19.50	19.80	20.42
MIN	20.49	20.24	19.62	19.50	20.09	19.60	19.50	19.39	19.35	19.40	19.50	19.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 19.99.

HIGHEST STAGE WAS 23.00 AT 11:45 P.M. ON JAN 10.

LOWEST STAGE WAS 19.34 ON SEP 23.

## DAILY STAGE FOR 1991

EABPL BORROW PIT AT BAYOU FORDOCHE (LA.) (BELOW STATE HWY. 10)

LOCATION. LAT. 30-40-04, LONG. 91-39-31. ON SOUTH END OF HIGHWAY 10 CULVERT, JUST ABOVE LOWER JUNCTION WITH BAYOU FORDOCHE, SIX MILES EAST OF MELVILLE, LA. (STA. 5208012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1947, AND 1950 TO 1955. DAILY, 1948, 1949, AND MAY 22, 1958 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 28.0 FEET ON MAY 18, 1953. LOWEST, CHANNEL DRY ON OCT. 5, 1953, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.86	18.51	19.17	16.29	18.85	16.73	17.35	15.65	15.70	15.99	16.40	16.80
2	16.90	18.21	19.14	16.32	18.77	16.59	16.98	15.64	15.70	15.99	16.38	16.85
3	18.66	18.00	18.81	16.30	18.68	16.42	16.65	15.61	15.70	15.99	16.35	16.89
4	18.29	17.78	18.50	16.30	18.50	16.36	16.48	15.60	15.70	15.99	16.33	16.88
5	17.80	18.46	18.07	16.23	18.30	16.30	16.40	15.60	15.71	15.99	16.31	16.85
6	17.45	18.32	17.74	16.20	17.93	16.28	16.33	15.60	15.72	16.01	16.30	16.82
7	17.83	18.02	17.40	16.18	17.52	16.22	16.30	15.59	16.00	16.02	16.30	16.82
8	17.66	17.73	17.05	16.15	18.64	16.18	16.25	15.60	16.46	16.04	16.30	16.82
9	17.47	17.65	16.70	16.05	20.51	16.12	16.93	15.58	16.17	16.06	16.30	16.85
10	19.40	17.30	16.56	15.98	20.74	16.10	16.81	15.53	16.04	16.04	16.29	16.88
11	21.75	17.20	16.52	15.98	20.50	16.10	16.34	15.70	15.99	16.03	16.29	16.88
12	20.99	17.13	16.47	15.93	20.27	16.10	16.19	15.70	15.96	16.03	16.30	16.89
13	20.96	17.05	16.48	15.93	19.93	16.10	16.05	15.70	15.96	16.06	16.31	16.90
14	20.92	16.99	16.40	16.02	19.48	16.10	15.97	15.69	15.90	16.11	16.32	17.08
15	20.95	16.90	16.39	17.80	19.17	16.04	15.91	15.70	15.89	16.14	16.32	16.90
16	20.90	16.90	16.39	18.13	19.49	16.05	15.96	15.70	15.90	16.13	16.32	16.85
17	20.79	16.89	16.42	18.30	19.10	16.07	15.85	15.67	15.90	16.12	16.32	16.82
18		16.80	16.35	18.53	21.00	16.11	15.80	15.64	15.90	16.12	16.35	16.81
19		16.75	16.43	19.10	20.40	16.10	15.77	15.64	15.89	16.11	16.40	16.82
20		19.70	16.37	19.00	20.11	16.05	15.72	15.61	15.88	16.10	16.50	17.30
21		21.65	16.34	18.79	20.39	16.10	15.70	15.62	15.80	16.09	16.51	17.29
22 F	17.38	21.16	16.34	18.50	20.13	16.09	15.69	15.60	15.78	16.09	16.53	17.22
23	17.30	20.76	16.50	18.09	19.65	16.13	15.67	15.60	15.74	16.20	16.60	17.18
24	17.44	20.57	16.42	17.70	19.45	16.14	15.63	15.58	15.81	16.22	16.63	17.11
25	17.68	20.35	16.37	17.50	19.10	19.83	15.60	15.55	15.91	16.22	16.70	17.08
26	17.50	20.06	16.34	17.30	18.79	19.70	15.60	15.56	15.94	16.20	16.70	17.02
27	17.33	19.80	16.31	17.08	18.48	19.37	15.60	15.55	15.94	16.23	16.72	17.00
28	17.23	19.48	16.30	16.80	18.03	18.89	15.60	15.58		16.26	16.72	16.99
29	17.12	-----	16.32	17.30	17.63	18.40	15.61	15.56		16.30	16.75	16.92
30	20.57	-----	16.31	18.78	17.29	17.88	15.65	15.56	15.98	16.35	16.79	16.93
31	19.09	-----	16.30	-----	16.99	-----	15.66	15.63	-----	16.38	-----	16.93

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.67	18.43	16.88	17.15	19.16	16.75	16.07	15.62	15.89	16.12	16.44	16.95
MAX	21.75	21.65	19.17	19.10	21.00	19.83	17.35	15.70	16.46	16.38	16.79	17.30
MIN	16.86	16.75	16.30	15.93	16.99	16.04	15.60	15.53	15.70	15.99	16.29	16.80
DAYS	27	28	31	30	31	30	31	31	28	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 16.99.

HIGHEST STAGE WAS 22.15 AT MIDNIGHT ON JAN 10.

LOWEST STAGE WAS 15.50 ON AUG 10.

## DAILY STAGE FOR 1991

EABPL BORROW PIT AT LOTTIE, LA. (ABOVE U. S. HWY. 190)

LOCATION. LAT. 30-33-27, LONG. 91-39-27. ON NORTH END OF U. S. HIGHWAY 190 CULVERT.  
(STA. 52120128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE WAS KNOWN AS BAYOU FORDOCHE-LOTTIE BORROW PIT FROM 1937 TO 1939.  
ADD 0.1 TO STAGES FROM 1945 TO 1964.RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1948, AND 1950 TO 1956. DAILY, 1949, AND AUG. 8, 1956,  
TO DATE.EXTREMES. HIGHEST (FROM INCOMPLETE RECORD) 25.8 FEET ON AUG. 8, 1940. LOWEST, 7.21 FEET  
ON OCT. 22, 1991.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.82	10.25	9.30	7.78	10.75	8.40	8.41	7.69	7.90	7.51	7.93	7.80
2	7.80	9.55	10.29	7.75	9.71	8.27	8.39	7.64	7.82	7.52	8.00	7.85
3	12.70	9.27	9.47	7.74	9.39	8.20	8.30	7.61	7.78	7.51	7.88	8.07
4	10.75	9.02	9.00	7.72	9.29	8.20	8.21	7.60	7.70	7.50	7.80	8.00
5	9.69	10.50	8.80	7.70	9.30	8.27	8.14	7.60	7.70	7.50	7.75	7.95
6	9.30	10.79	8.63	7.70	8.95	8.20	8.09	7.61	7.70	7.49	7.78	7.90
7	9.99	9.78	8.60	7.68	8.60	8.10	8.03	7.63	7.88	7.49	7.80	7.89
8	9.48	9.25	8.43	7.67	11.60	8.00	8.38	7.61	9.17	7.49	7.81	7.85
9	9.15	8.97	8.30	7.64	14.60	7.93	8.17	7.60	8.64	7.49	7.80	7.82
10	11.40	8.78	8.20	7.62	13.89	7.90	8.19	7.60	8.23	7.49	7.80	7.83
11	15.31	8.60	8.13	7.63	14.09	7.90	8.40	7.61	8.03	7.49	7.81	7.80
12	12.00	8.49	8.10	7.61	11.70	7.90	8.20	7.68	7.96	7.47	7.82	7.80
13	10.44	8.38	8.01	7.60	10.33	7.85	8.01	7.69	7.90	7.43	7.83	7.82
14	9.80	8.38	8.00	7.63	9.70	7.83	7.91	7.71	7.85	7.42	7.81	8.29
15	9.73	8.30	7.95	11.90	9.81	7.80	7.84	7.71	7.81	7.40	7.81	8.38
16	9.70	8.18	7.91	10.07	10.75	7.79	7.81	7.70	7.79	7.39	7.81	8.19
17	9.40	8.06	8.05	9.41	9.86	7.75	7.81	7.68	7.71	7.35	7.82	8.00
18	10.11	8.02	8.03	9.41	10.90	7.90	7.80	7.64	7.70	7.31	7.84	7.93
19	10.41	8.02	7.98	10.06	11.15	7.81	7.77	7.62	7.68	7.30	7.87	7.89
20	9.77	12.53	7.94	9.40	10.12	7.80	7.73	7.61	7.65	7.28	7.99	7.82
21	9.29	12.90	7.84	8.93	10.62	7.75	7.70	7.60	7.63	7.23	8.00	7.80
22	9.00	12.80	7.86	8.70	10.31	7.75	7.70	7.60	7.60	7.22	8.03	7.90
23	8.79	10.90	7.85	8.60	9.56	7.75	7.70	7.60	7.60	7.74	7.70	8.00
24	9.21	9.85	7.84	8.48	11.38	7.74	7.69	7.60	7.59	7.70	7.70	8.03
25	9.88	9.49	7.84	8.62	11.20	11.00	7.69	7.62	7.60	7.60	7.70	8.00
26	9.30	9.24	7.81	8.62	10.10	9.90	7.69	7.63	7.59	7.58	7.69	8.00
27	9.00	9.00	7.80	9.11	9.30	9.03	7.69	7.66	7.57	7.61	7.61	7.93
28	8.90	8.82	7.80	8.98	8.90	9.29	7.68	7.70	7.52	7.70	7.60	7.90
29	8.73	-----	7.83	9.70	8.69	8.72	7.67	7.70	7.51	7.72	7.60	7.90
30	11.95	-----	7.81	11.91	8.42	8.50	7.67	7.70	7.51	7.80	7.78	7.89
31	11.28	-----	7.79	-----	8.40	-----	7.65	7.90	-----	7.81	-----	7.88

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.00	9.50	8.23	8.65	10.37	8.24	7.94	7.65	7.81	7.50	7.81	7.94
MAX	15.31	12.90	10.29	11.91	14.60	11.00	8.41	7.90	9.17	7.81	8.03	8.38
MIN	7.80	8.02	7.79	7.60	8.40	7.74	7.65	7.60	7.51	7.22	7.60	7.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 8.47.  
 HIGHEST STAGE WAS 15.43 AT 5:00 A.M. ON JAN 11.  
 LOWEST STAGE WAS 7.21 ON OCT 22.

## DAILY STAGE FOR 1991

EABPL BORROW PIT AT LOTTIE, LA. (BELOW U. S. HWY. 190)

LOCATION. LAT. 30-33-24, LONG. 91-39-27. ON SOUTH END OF U. S. HIGHWAY 190 CULVERT.  
(STA. 52160128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE WAS KNOWN AS BAYOU FORDOCHE-LOTTIE BORROW PIT FROM 1937 TO 1939. ADD 0.1  
TO STAGES FROM 1945 TO 1964.

RECORDS AVAILABLE. INTERMITTENTLY, 1938 TO 1948, AND 1950. DAILY, 1949, AND MAR. 8, 1951 TO DATE.

EXTREMES. HIGHEST, 23.5 FEET (FROM WATERMARK) IN MAY, 1953. LOWEST, CHANNEL DRY ON OCT. 11,  
1963, AND LATER DATES. EXTREMES HAVE BEEN CORRECTED.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.60	10.11	8.62 F	6.99	10.59	8.15	7.97		7.81		7.87	7.73
2	7.51	9.40	10.19		9.55	7.92	7.81		7.72		7.95	7.80
3	12.58	9.08	9.37		9.21	7.70	7.70		7.78		7.80	8.00
4	10.60	8.85	8.90		9.09	7.61	7.57		7.60		7.70	7.91
5	9.52	10.25	8.69		9.11	7.63	7.40 F	6.70	7.60		7.67	7.86
6	9.12	10.59	8.50		8.71	7.51	7.30		7.60		7.70	7.81
7	9.81	9.59	8.43		8.35	7.40	7.48		7.80 F	6.70	7.75	7.80
8	9.31	9.09	8.28 F	6.60	11.50	7.20	8.09		9.09		7.78	7.80
9	9.05	8.80	8.10		14.40	7.10	7.78		8.50		7.75	7.79
10	11.30	8.62	7.98		13.60	7.02	7.60		8.08		7.74	7.78
11	15.20	8.47	7.85		14.00	7.02	7.78				7.77	7.73
12	11.89	8.30	7.78		11.55	7.08	7.50				7.78	7.72
13	10.30	8.22	7.68 F	7.09	10.29	7.02	7.29 F	6.90			7.78	7.78
14	9.67	8.20	7.59 F	7.09	9.58	7.01	7.09	7.08			7.78	8.20
15	9.60	8.15	7.50	11.85	9.68	7.01 F	7.00	7.04		6.70	7.78	8.28
16	9.60	7.99	7.44	10.47	10.63	7.01		7.09 F	7.11		7.79	8.05
17	9.30	7.81	7.82	9.34	9.73	7.00		7.27	7.10		7.80	7.88
18	10.00	7.80	7.85	9.30	10.72	7.42		7.30	7.08		7.80	7.69
19	10.32	7.78	7.71	9.93	11.00	7.10		7.40	7.04		7.80	7.63
20	9.64	12.40	7.60	9.29	10.00	7.03		7.47	7.03		7.94	7.25
21	9.20	12.80	7.40	8.84	10.49	7.03		7.49	7.02		7.90	7.20
22	8.93	12.74	7.38	8.58	10.22	7.03		7.50	7.00 F	6.70	7.91	7.38
23	8.70	10.70	7.29	8.42	9.42	7.02		7.52	6.99	7.10	7.15	7.59
24	9.15	9.78	7.22	8.28	11.26		6.70	7.53	6.97	7.30	7.04	7.64
25	9.80	9.38	7.20	8.40	11.10			7.56 F	7.15	7.40	7.03	7.65
26	9.28	9.12	7.20	8.45	10.00 F	9.45		7.58		7.49	7.19	7.53
27	8.95	8.89	7.19	8.98	9.17	8.90		7.60		7.53	7.38	7.50
28	8.85	8.70	7.10	8.85	8.70	9.12		7.63		7.61	7.45	7.51
29	8.67	-----	7.16	9.65	8.42	8.50 F	6.80	7.66		7.65	7.51	7.37
30	11.90	-----	7.11	11.80	8.19	8.20		7.67 F	6.80	7.72	7.70	7.39
31	11.13	-----	-----	-----	8.11	-----		7.80	-----	7.74	-----	7.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.89	9.34	7.87	8.91	10.21	7.54	7.46	7.39	7.47	7.30	7.67	7.70
MAX	15.20	12.80	10.19	11.85	14.40	9.45	8.09	7.80	9.09	7.74	7.95	8.28
MIN	7.51	7.78	7.10	6.60	8.11	7.00	6.70	6.70	6.80	6.70	7.03	7.20
DAYS	31	28	30	20	31	28	17	20	21	12	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 299

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.35.

HIGHEST STAGE WAS 15.34 AT 4:30 A.M. ON JAN 11.

LOWEST STAGE WAS 6.60 ON APR 8.

## DAILY STAGE FOR 1991

EABPL BORROW PIT NEAR MARINGOUIN, LA.

LOCATION. LAT. 30-28-00, LONG. 91-32-40. ON BORROW PIT BRIDGE, TWO MILES SOUTHWEST OF MARINGOUIN, LA.  
(STA. 52200120.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 10, 1948 TO DATE.

EXTREMES. HIGHEST, 17.54 FEET ON OCT. 4, 1964. LOWEST, 0.5 FOOT ON NOV. 12, 1953.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.97	5.90	6.06	3.20	6.31	6.13	3.49	1.75	3.88	2.88	2.48	2.69
2	2.85	5.50	6.90	3.11	5.99	5.93	3.35	1.71	2.99	2.80	2.42	2.72
3	6.81	5.30	6.40	3.09	6.86	5.73	3.49	1.68 F	2.60	2.74	2.42	3.09
4	6.30	5.19	6.19	2.98	6.89	5.52	3.29	1.61 F	2.58	2.69	2.50	3.21
5	4.77	6.40	6.10	2.90	6.60	5.31	3.49	1.60	3.00	2.61	2.67	3.30
6	4.15	6.85	6.08	2.88	6.27	5.20	3.56	1.70	3.35	2.56	2.79	3.28
7	5.37	6.10	5.80	2.85	6.18	5.14	3.90	1.80	4.64	2.49	2.82	3.25
8	4.70	5.81	5.56	2.80	8.31	4.96	4.91	2.00	5.10	2.48	2.82	3.24
9	4.17	5.67	5.39	2.90	10.20	4.78	4.79	2.01	4.50	2.42	2.80	3.19
10	4.90	5.51	5.20	2.80	10.50	4.67	4.78	2.02	3.99	2.39	2.77	3.18
11	10.90	5.37	5.02	2.90	10.55	4.56	4.65	2.12	3.57	2.33	2.74	3.09
12	7.82	5.22	4.89	3.00	8.27	4.54	4.49	2.18	3.21	2.30	2.71	3.04
13	6.01	5.11	4.70	3.07	7.71	4.43	4.27	1.91	3.01	2.29	2.69	3.01
14	5.42	4.92	4.50	3.10	7.59	4.36	4.01	1.71	2.90	2.27	2.65	4.00
15	5.40	4.60	4.34	6.38	7.88	4.25	3.82	1.65	2.83	2.25	2.62	4.00
16	5.43	4.60	4.20	5.26	7.97	4.11	3.60	1.70	2.80	2.20	2.60	3.76
17	5.20	4.42	4.48	4.45	7.59	4.00	3.41	2.12	2.81	2.17	2.58	3.60
18	5.09	4.33	4.38	4.51	7.60	3.98	3.20	1.94	2.81	2.13	2.56	3.48
19	6.23	4.25	4.38	5.60	7.60	4.03	3.01	1.89	2.81	2.10	2.55	3.38
20	5.62	9.70	4.29	5.10	7.38	3.99	2.81	1.80	2.80	2.08	2.64	3.38
21	5.11	9.20	4.19	5.09	7.48	3.92	2.60	1.72	2.79	2.04	2.66	3.41
22	5.02	9.05	4.19	5.00	7.20	3.83	2.61	1.69	2.76	2.02	2.62	3.49
23	4.90	7.13	3.97	4.87	6.99	3.72	2.32	1.67	2.74	2.05	2.70	3.51
24	5.09	6.60	3.85	4.79	8.31	3.68	2.21	1.63	2.72	2.04	2.80	3.52
25	6.09	6.37	3.78	4.71	7.40	5.40	2.12	1.61	2.91	2.03	2.90	3.42
26	5.45	6.19	3.70	4.76	7.15	4.69	1.91	1.62	3.14	2.02	2.89	3.40
27	5.20	6.15	3.76	5.06	6.89	4.08	1.90	1.65	3.16	2.09	8.81	3.40
28	5.23	5.99	3.54	5.01	6.71	4.60	2.22	1.85	3.10	2.35	2.78	3.32
29	5.20	-----	3.44	8.10	6.58	3.97	2.10	1.86	3.01	2.40	2.70	3.25
30	7.23	-----	3.31	7.47	6.36	3.71	1.93	1.83	2.93	2.40	2.69	3.22
31	6.92	-----	3.29	-----	6.26	-----	1.82	3.02	-----	2.41	-----	3.29

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.53	5.98	4.71	4.26	7.47	4.57	3.23	1.84	3.18	2.32	2.88	3.33
MAX	10.90	9.70	6.90	8.10	10.55	6.13	4.91	3.02	5.10	2.88	8.81	4.00
MIN	2.85	4.25	3.29	2.80	5.99	3.68	1.82	1.60	2.58	2.02	2.45	2.69
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.10.

HIGHEST STAGE WAS 12.60 AT 1:00 P.M. ON MAY 10.

LOWEST STAGE WAS 1.60 ON AUG 4 AND LATER DATE(S).

## DAILY STAGE FOR 1991

EABPL BORROW PIT (LS) AT RAMAH, LA.

LOCATION. LAT. 30-24-05, LONG. 91-30-37. ON BORROW PIT BRIDGE APPROXIMATELY 800 FEET NORTH OF INTERSTATE 10. (STA. 5224012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1935, 1937, 1944 TO 1946, AND 1953 TO 1954. DAILY, JAN. 13, 1948 TO DEC. 31, 1952, AND FEB. 21, 1956 TO DATE.

EXTREMES. HIGHEST, 12.73 FEET ON APR. 22, 1979. LOWEST, 0.29 FOOT ON JAN. 19, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD ( 1983 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.35	5.30	5.99	3.20	5.90	6.14	3.40	1.43	2.40	1.50	2.30	1.90
2	2.35	5.24	6.18	3.11	5.82	5.99	3.30	1.32	2.34	1.60	2.30	2.01
3	2.80	5.16	6.15	3.08	6.33	5.79	3.39	1.35	2.37	1.80	2.11	2.18
4	3.38	5.09	6.10	2.99	6.60	5.59	3.25	1.35	2.35	1.83	1.94	2.20
5	3.10	5.55	6.01	2.92	6.40	5.32	3.42	1.53	2.40	1.85	1.71	2.00
6	3.01	5.90	5.94	2.89	6.23	5.20	3.56	1.73	2.60	1.60	1.56	1.90
7	3.25	5.80	5.72	2.80	6.14	5.13	3.90	1.87	3.21	1.25	1.59	1.91
8	3.25	5.69	5.52	2.81	7.29	4.98	4.76	2.01	3.59	1.20	1.54	1.92
9	3.20	5.59	5.34	2.87	8.18	4.80	4.70	2.02	3.50	1.31	1.45	1.89
10	3.70	5.47	5.17	2.80	8.60	4.64	4.74	2.01	3.23	1.35	1.28	1.90
11	7.05	5.31	4.98	2.89	8.98	4.58	4.62	2.15	2.96	1.40	1.21	1.85
12	5.59	5.19	4.80	2.90	7.90	4.50	4.48	2.20	2.60	1.50	1.25	1.93
13	5.12	5.10	4.65	2.95	7.63	4.40	4.29	1.89	2.40	1.49	1.30	2.17
14	5.00	4.90	4.49	3.00	7.49	4.33	4.05	1.61	2.25	1.43	1.30	2.30
15	4.99	4.64	4.31	4.09	7.72	4.27	3.85	1.60	2.19	1.41	1.42	2.41
16	4.93	4.55	4.20	3.99	7.65	4.13	3.64	1.68	2.11	1.29	1.50	2.50
17	4.88	4.40	4.37	3.92	7.46	4.02	3.44	1.72	1.95	1.19	1.55	2.39
18	4.82	4.25	4.31	4.11	7.40	3.96	3.23	1.80	1.80	1.20	1.71	2.30
19	5.10	4.19	4.30	4.71	7.39	4.01	3.01	1.80	1.80	1.10	1.92	2.30
20	5.01	7.30	4.23	4.85	7.21	3.97	2.80	1.63	1.62	1.10	2.10	2.28
21	4.88	7.01	4.14	4.98	7.21	3.91	2.60	1.49	1.32	1.22	2.25	2.30
22	4.86	7.20	4.10	4.90	7.10	3.81	2.60	1.40	1.32	1.35	2.13	2.36
23	4.77	6.50	3.95	4.79	6.96	3.71	2.39	1.38	1.60	1.50	1.97	2.51
24	4.81	6.35	3.84	4.78	7.60	3.61	2.22	1.41	1.80	1.60	1.90	2.55
25	5.19	6.27	3.72	4.70	7.10	3.81	2.10	1.42	1.80	1.60	1.73	2.52
26	5.10	6.13	3.64	4.79	7.00	3.74	1.90	1.50	1.67	1.80	1.53	2.50
27	5.01	6.04	3.66	4.95	6.86	3.70	1.84	1.58	1.55	2.30	1.87	2.50
28	5.09	5.92	3.50	5.05	6.73	3.99	1.71	1.80	1.41	2.40	1.81	2.50
29	5.08	-----	3.40	5.40	6.54	3.74	1.60	1.83	1.36	2.30	1.70	2.50
30	5.40	-----	3.32	6.17	6.38	3.59	1.51	1.79	1.43	2.19	1.80	2.49
31	5.49	-----	3.29	-----	6.30	-----	1.35	1.95	-----	2.25	-----	2.45

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.47	5.57	4.62	3.91	7.10	4.45	3.15	1.69	2.16	1.58	1.72	2.24
MAX	7.05	7.30	6.18	6.17	8.98	6.14	4.76	2.20	3.59	2.40	2.30	2.55
MIN	2.35	4.19	3.29	2.80	5.82	3.59	1.35	1.32	1.32	1.10	1.21	1.85
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.54.  
 HIGHEST STAGE WAS 9.81 AT 3:00 P.M. ON MAY 10.  
 LOWEST STAGE WAS 1.05 ON OCT 19 AND LATER DATE(S).

## DAILY STAGE FOR 1991

UPPER GRAND RIVER (LS) AT DIKE (LA.)

LOCATION. LAT. 30-13-33, LONG. 91-25-11. ON BRIDGE AT JUNCTION WITH EABPL BORROW PIT.  
(STA. 5228009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1945. DAILY, APR. 1, 1948 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 13.0 FEET FROM MAY 2 TO 5, 1933. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.1 FOOT ON JAN. 27, 1940.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.07	5.55	6.06	3.72	6.27		3.63	1.66	2.55	1.70	2.56	2.13
2	2.84	5.45	6.16	3.56	6.27		3.51	1.56	2.61	1.83	2.56	2.21
3	3.06	5.46	6.38	3.45	6.65		3.52	1.60	2.60	2.00	2.40	2.43
4		5.29	6.33	3.38	6.84		3.48	1.64	2.64	2.05	2.17	2.42
5	3.54	5.43	6.27	3.33	6.91		3.63	1.76	2.64	2.06	1.92	2.22
6	3.51	5.90	6.07	3.26	6.82		3.76	1.97	2.88	1.85	1.79	2.14
7	3.64	5.86	5.86	3.17	6.73		4.06	2.11	3.36	1.45	1.81	2.15
8	3.86	5.84	5.67	3.06	6.89		4.77	2.24	3.74	1.40	1.87	2.13
9	3.81	5.81	5.47	3.01	7.30		4.91	2.27	3.68	1.53	1.69	2.12
10	3.90	5.64	5.11	3.00	7.53		4.95	2.25	3.48	1.58	1.48	2.14
11	5.02	5.45	5.13	2.93	7.61		4.85	2.41	3.15	1.59	1.46	2.09
12	5.32	5.26	4.87	2.84	7.67		4.68	2.49	2.80	1.70	1.49	2.16
13	5.38	5.03	4.69	2.70	7.63		4.48	2.11	2.57	1.69	1.53	2.34
14	5.38	4.90	4.44	2.67	7.68	4.55	4.27	1.92	2.45	1.63	1.52	2.61
15	5.40	4.81	4.48	3.49	7.65	4.44	4.08	1.83	2.36	1.59	1.69	2.73
16	5.37	4.67	4.33	3.78	7.58	4.33	3.88	1.90	2.31	1.47	1.73	2.75
17	5.36	4.52	4.47	3.95	7.71	4.23	3.68	1.93	2.20	1.39	1.82	2.63
18	5.37	4.33	4.53	4.09	7.82	4.17	3.47	2.01	2.07	1.40	1.97	2.56
19	5.47	4.03	4.43	4.63	7.89	4.25	3.26	2.02	2.11	1.29	2.14	2.54
20	5.49	4.98	4.36	4.93	7.90	4.17	3.03	1.87	1.91	1.29	2.37	2.51
21	5.63	5.75	4.25	5.15		4.10	2.88	1.70	1.55	1.43	2.48	2.54
22	5.47	6.22	4.08	5.22		4.03	2.81	1.66	1.58	1.52	2.33	2.64
23	5.43	6.46	3.90			3.94	2.60	1.61	1.86	1.73	2.21	2.74
24	5.16	6.41	3.69	5.10		3.85	2.45	1.68	2.03	1.83	2.12	2.83
25	5.34	6.33	3.86	5.05		3.89	2.36	1.71	2.07	1.89	1.92	2.82
26	5.31	6.41	3.81	5.06		3.91	2.13	1.81	1.85	2.08	1.77	2.76
27	5.32	6.43	3.67	5.20		3.91	2.12	1.85	1.75	2.61	2.08	2.77
28	5.31	6.20	3.49	5.21		4.02	1.96	2.08	1.61	2.68	2.04	2.78
29	5.28	-----	3.55	5.25		3.92	1.89	2.07	1.53	2.50	1.88	2.76
30	5.36	-----	3.34	6.23		3.79	1.79	2.00	1.63	2.41	2.06	2.77
31	5.45	-----	3.49	-----		-----	1.60	2.19	-----	2.48	-----	2.73

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.79	5.51	4.72	4.01	7.27	4.09	3.37	1.93	2.39	1.80	1.96	2.49
MAX	5.63	6.46	6.38	6.23	7.90	4.55	4.95	2.49	3.74	2.68	2.56	2.83
MIN	2.84	4.03	3.34	2.67	6.27	3.79	1.60	1.56	1.53	1.29	1.46	2.09
DAYS	30	28	31	29	20	17	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 339

THE MEAN STAGE FOR THE YEAR WAS 3.55.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 7.94 AT 4:00 P.M. ON MAY 19

LOWEST STAGE WAS 1.26 ON OCT 19.

## DAILY STAGE FOR 1991

BAYOU GROSSE TETE AT FRISCOVILLE, LA.

LOCATION. LAT. 30-35-06, LONG. 91-31-31. HIGHWAY 78 BRIDGE, 2.5 MILES NORTHEAST OF LIVONIA, LA.  
(STA. 5232012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 21, 1956 TO DATE.

EXTREMES. HIGHEST, 19.09 FEET ON APR. 8, 1983. LOWEST, CHANNEL DRY ON SEP. 13, 1963 AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.45	14.08	12.55	6.58	13.48	7.60	6.69	6.41	9.41	6.44	7.05	6.45
2	6.40	13.80	13.23	6.53	12.99	6.88	6.67	6.40	7.29	6.44	6.90	6.42
3	12.71	13.40	12.92	6.51	14.15	6.65	6.72	6.41	6.60	6.43	6.48	7.50
4	13.00	12.90 F	12.17	6.50	13.80	6.52	6.69	6.38	6.49	6.41	6.35	6.75
5	12.41	13.14	11.38	6.48	13.41	6.51	6.64	6.38	8.20	6.40	6.32	6.48
6	11.28	13.50	10.34	6.45	12.85	6.50	7.94	6.39	9.41	6.40	6.32	6.40
7	11.85	12.80	8.06	6.45	12.00	7.27	6.95	6.39	11.09	6.40	6.32	6.35
8	10.74	12.46	6.90	6.45	12.65	6.80	7.90	6.44	11.74	6.40	6.32	6.33
9	9.00	11.64	6.70	6.46	14.65	6.59	10.40	6.40	10.50	6.39	6.30	6.33
10	11.00	10.60	6.62	6.44	15.21	6.52	9.40	6.39	8.61	6.39	6.30	6.35
11	14.80	9.63	6.58	6.49	15.40	6.51	7.65	7.65	7.29	6.38	6.30	6.38
12	14.99	8.94	6.55	6.49	14.97	6.55	6.86	6.81	7.00	6.37	6.31	6.33
13	14.81	8.51	6.60	6.47	14.56	6.55	6.70	6.62	6.88	6.36	6.31	6.34
14	14.47	8.26	6.59	6.50	14.15	6.53	6.61	6.55	6.81	6.39	6.32	9.56
15	14.10	7.97	6.55	13.22	13.89	6.51	6.59	6.50	6.78	6.38	6.31	7.99
16	13.75	6.48	6.54	13.27	14.08	6.50	6.67	6.70	6.70	6.37	6.30	6.78
17	13.49	6.37	7.41	12.79	13.69	6.49	6.59	6.60	6.69	6.35	6.30	6.60
18	13.01	6.36	7.56	12.30	13.93	6.90	6.54	6.51	6.67	6.30	6.30	6.52
19	13.11	6.40	7.13	13.30	13.73	6.89	6.51	6.50	6.63	6.29	6.35	6.45
20	12.70	14.23	6.98	13.00	13.40	6.70	6.50	6.46	6.60	6.28	6.41	6.40
21	12.00	14.80	6.85	12.24	13.50	7.19	6.67	6.45	6.54	6.28	6.60	6.38
22	11.08	15.30	6.78	11.15	13.34	7.31	6.50	6.43	6.51	6.31	6.47	6.37
23	10.00	15.10	6.65	9.93	12.89	7.39	6.49	6.40	6.50	6.60	6.39	6.40
24	8.78	14.77	6.59	8.95	12.70	7.00	6.47	6.39	7.28	6.40	6.35	6.42
25	11.60	14.39	6.53	9.01	12.09	11.99	6.45	6.38	7.20	6.33	6.32	6.40
26	10.29	14.00	6.53	9.67	11.45	11.22	6.44	6.39	6.84	6.31	6.31	6.39
27	8.70	13.59	6.56	10.92	10.54	9.25	6.42	6.40	6.58	6.69	6.31	6.38
28	8.00	13.10	6.54	10.59	9.70	7.37	6.50	6.43	6.50		6.30	6.38
29	7.52	-----	6.75	9.90	10.22	6.87	6.47	6.41	6.45 F	6.41	6.30	6.38
30	13.39	-----	7.02	13.95	8.23	6.72	6.43	6.40	6.45	6.42	6.34	6.39
31	14.03	-----	6.69	-----	7.83	-----	6.43	7.91	-----	6.41	-----	6.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.60	11.66	7.83	9.17	12.89	7.21	6.92	6.54	7.47	6.39	6.39	6.61
MAX	14.99	15.30	13.23	13.95	15.40	11.99	10.40	7.91	11.74	6.69	7.05	9.56
MIN	6.40	6.36	6.53	6.44	7.83	6.49	6.42	6.38	6.45	6.28	6.30	6.33
DAYS	31	28	31	30	31	30	31	31	30	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.38.

HIGHEST STAGE WAS 15.58 AT NOON ON MAY 10.

LOWEST STAGE WAS 6.28 ON OCT 20 AND LATER DATE(S).

## DAILY STAGE FOR 1991

FALSE RIVER AT NEW ROADS, LA.

LOCATION. LAT. 30-41-28, LONG. 91-26-18. ON NORTH BANK AT SOUTH END OF MORRISON PARKWAY,  
NEW ROADS, LA. (BEHIND MORGAN DEPARTMENT STORE). (STA. 5233009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO FEB. 15, 1966, GAGE WAS MAINTAINED BY U. S. GEOLOGICAL SURVEY AND  
DATUM OF GAGE WAS 13.32 FEET NGVD.

RECORDS AVAILABLE. AUG. 13, 1963 TO DATE.

EXTREMES. HIGHEST, 21.10 FEET (FROM INCOMPLETE RECORD) ON APR. 24, 1979. LOWEST, 14.10 FEET ON  
NOV. 9, 1990.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.80	16.10	16.05	15.30	15.81	15.10	15.53	15.05	15.15	15.24	14.91	14.65
2	14.81	15.99	16.10	15.30	15.78	15.13	15.52	15.00	15.10	15.20	14.89	14.73
3	15.35	15.83	15.99	15.25	15.89	15.15	15.60	14.99	15.10	15.18	14.83	14.80
4	15.59	15.65	15.80	15.24	15.80	15.15	15.58	14.95	15.10	15.15	14.80	14.78
5	15.61	15.70	15.60	15.22	15.70	15.14	15.52	14.95	15.34	15.11	14.79	14.78
6	15.60	15.96	15.41	15.20	15.51	15.11	15.53	14.91	15.60	15.06	14.78	14.75
7	15.74	16.05	15.39	15.20	15.30	15.21	15.51	14.90	16.09	15.01	14.75	14.73
8	15.75	15.90	15.36	15.20	15.39	15.23	15.60	14.97	16.31	15.00	14.74	14.72
9	15.70	15.70	15.34	15.22	15.98	15.21	15.63	14.95	16.36	14.99	14.70	14.75
10	15.79	15.49	15.30	15.20	16.41	15.20	15.61	14.92	16.30	14.95	14.70	14.72
11	16.41	15.25	15.32	15.20	16.88	15.21	15.59	15.19	16.22	15.93	14.69	14.72
12	16.79	15.00	15.30	15.20	16.90	15.30	15.54	15.25	16.14	15.91	14.71	14.71
13	16.87	14.79	15.30	15.20	16.78	15.30	15.50	15.27	16.05	14.90	14.70	14.72
14	16.82	14.59	15.30	15.21	16.60	15.30	15.45	15.24	15.98	14.90	14.70	14.89
15	16.80	14.32	15.29	15.80	16.49	15.30	15.41	15.21	15.89	14.87	14.70	14.88
16	16.70	14.33	15.28	15.90	16.74	15.29	15.47	15.25	15.82	14.81	14.69 F	14.88
17	16.48	14.38	15.40	15.75	16.71	15.25	15.40	15.24	15.75	14.79	14.69	14.85
18	16.20	14.40	15.40	15.70	16.63	15.59	15.39	15.21	15.70	14.78	14.68	14.85
19	16.10	14.49	15.45	15.91	16.50	15.64	15.31	15.20	15.63	14.75	14.70	14.85
20	15.92	15.51	15.44	15.96	16.33	15.62	15.30	15.17	15.54	14.72	14.80	14.81
21	15.70	16.24	15.42	15.87	16.24	15.63	15.30	15.12	15.49	14.71	14.80	14.80
22	15.50	16.78	15.41	15.69	16.19	15.61	15.28	15.09	15.41	14.72	14.80	14.80
23	15.28	16.95	15.40	15.50	16.01	15.59	15.25	15.04	15.38	14.80	14.79	14.81
24	15.30	16.88	15.38	15.29	15.87	15.58	15.20	15.01	15.47	14.80	14.76	14.78
25	15.50	16.77	15.35	15.20	15.70	15.70	15.18	14.98	15.49	14.80	14.74	14.76
26	15.54	16.58	15.38	15.11	15.50	15.74	15.13	14.97	15.48	14.75	14.65	14.72
27	15.54	16.39	15.39	15.10	15.28	15.71	15.10	14.98	15.40	14.91	14.63	14.71
28	15.56	16.18	15.35	15.03	15.09	15.69	15.13	15.00	15.34	14.99	15.62	14.71
29	15.57	-----	15.40	15.10	14.90	15.64	15.11	14.99	15.29	14.91	14.61	14.71
30	15.99	-----	15.35	15.70	14.91	15.59	15.10	14.98	15.26	14.90	14.65	14.75
31	16.13	-----	15.31	-----	14.99	-----	15.09	15.13	-----	14.90	-----	14.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.85	15.65	15.45	15.39	15.96	15.40	15.38	15.07	15.61	14.98	14.77	14.77
MAX	16.87	16.95	16.10	15.96	16.90	15.74	15.63	15.27	16.36	15.93	15.62	14.89
MIN	14.80	14.32	15.28	15.03	14.90	15.10	15.09	14.90	15.10	14.71	14.61	14.65
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 15.35.

HIGHEST STAGE WAS 16.98 AT 3:30 P.M. ON FEB 23.

LOWEST STAGE WAS 14.30 ON FEB 15.

## DAILY STAGE FOR 1991

BAYOU GROSSE TETE NEAR TORBERT, LA.

LOCATION. LAT. 30-34-06, LONG. 91-29-23. STATE HIGHWAY 978 BRIDGE, 1.1 MILES NORTH OF TORBERT, LA.  
(STA. 5234209.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 18, 1965 TO DATE.

EXTREMES. HIGHEST, 18.73 FEET ON APR. 8, 1983. LOWEST, (FROM INCOMPLETE RECORD) 3.86 FEET ON  
JUNE 1, 1965.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.30	13.90	12.27	6.49	13.28	7.43	6.72	6.32	9.41	6.41	6.64	6.32
2	6.21	13.65	13.08	6.42	12.74	6.80	6.70	6.30	7.32	6.40	6.79	6.30
3	12.60	13.22	12.70	6.42	14.10	6.55	6.71	6.31	6.50	6.39	6.33	7.28
4	12.80	12.75	12.03	6.40	13.70	6.50	6.70	6.29	6.40	6.36	6.24	6.59
5	12.21	13.23	11.23	6.40	13.24	6.40	6.65	6.23	7.85	6.35	6.20	6.30
6	11.13	13.40	10.32	6.40	12.60	6.39	7.78	6.21	9.70	6.32	6.18	6.24
7	11.71	12.55	7.97	6.39	11.79	7.03	6.90	6.21	11.09	6.30	6.16	6.21
8	10.70	12.23	6.84	6.40	12.70	6.71	7.79	6.29	11.60	6.24	6.18	6.20
9	8.83	11.49	6.60	6.40	14.85	6.52	10.10	6.29	10.41	6.21	6.14	6.20
10	10.15	10.59	6.52	6.40	15.20	6.48	9.21	6.28	8.56	6.20	6.14	6.20
11	15.00	9.79	6.49	6.41	15.48	6.45	7.61	8.03	7.51	6.20	6.13	6.20
12	14.82	9.25	6.47	6.42	14.78	6.51	6.88	6.80	7.28	6.20	6.13	6.20
13	14.61	8.92	6.49	6.40	14.30	6.50	6.75	6.56	7.17	6.20	6.17	6.20
14	14.27	8.70	6.48	6.47	13.90	6.49	6.69	6.49	7.09	6.20	6.17	9.29
15	13.90	8.48	6.43	13.26	13.70	6.45	6.64	6.44	7.00	6.21	6.17	7.90
16	13.50	6.03	6.42	13.10	13.90	6.42	6.93	6.59	6.94	6.20	6.17	6.61
17	13.25	5.88	7.19	12.53	13.50	6.41	6.60	6.54	6.87	6.20	6.19	6.40
18	12.79	5.88	7.49	12.10	13.80	6.92	6.54	6.45	6.79	6.14	6.21	6.38
19	12.99	5.90	7.03	13.20	13.57		6.50	6.42	6.71	6.13	6.30	6.29
20	12.53	14.87	6.91	12.85	13.20		6.45	6.40	6.65	6.13	6.37	6.25
21	11.82	15.05	6.80	12.09	13.40		6.70	6.39	6.59	6.13	6.48	6.22
22	10.98	15.24	6.77	11.10	13.13		6.50	6.38	6.53	6.13	6.32	6.21
23	10.06	14.94	6.60	10.15	12.66		6.43	6.32	6.50	6.39	6.27	6.28
24	8.70	14.60	6.54	9.41	12.53		6.40	6.31	7.05	6.25	6.21	6.29
25	11.47	14.20	6.50	9.90	11.93 F	11.66	6.39	6.30	7.00	6.20	6.20	6.24
26	10.17	13.82	6.48	9.90	11.39	11.00	6.37	6.30	6.81	6.19	6.20	6.23
27	8.58	13.32	6.45	10.90	10.59	9.02	6.33	6.32	6.60	6.40	6.19	6.23
28	7.93	12.80	6.46	10.60	9.91	7.37	6.45	6.30	6.54	6.48	6.19	6.23
29	7.50	-----	6.59	11.00	10.19	6.89	6.40	6.29	6.49	6.30	6.19	6.24
30	13.50	-----	6.84	14.00	8.10	6.80	6.38	6.26	6.44	6.30	6.21	6.23
31	13.93	-----	6.59	-----	7.63	-----	6.35	7.99	-----	6.30	-----	6.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.45	11.60	7.73	9.20	12.77	7.15	6.89	6.47	7.51	6.26	6.25	6.46
MAX	15.00	15.24	13.08	14.00	15.48	11.66	10.10	8.03	11.60	6.48	6.79	9.29
MIN	6.21	5.88	6.42	6.39	7.63	6.39	6.33	6.21	6.40	6.13	6.13	6.20
DAYS	31	28	31	30	31	24	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.31.

HIGHEST STAGE WAS 16.00 AT NOON ON MAY 10.

LOWEST STAGE WAS 5.87 ON FEB 17 AND LATER DATE(S).

## DAILY STAGE FOR 1991

BAYOU GROSSE TETE AT LIVONIA, LA.

LOCATION. LAT. 30-33-32, LONG. 91-33-24. ON BRIDGE (BETWEEN HIGHWAYS 77 AND 78) IN FRONT OF LIVONIA HIGH SCHOOL. (STA. 5235612B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 19, 1965 TO DATE.

EXTREMES. HIGHEST, 18.58 FEET ON APR. 8, 1983. LOWEST, 2.05 FEET (FROM INCOMPLETE RECORD) ON JUN. 29, 1965.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.50	13.67	12.10	6.58	13.00	7.40	6.62	6.49	8.69	6.48	6.90	6.50
2	6.48	13.40	12.78	6.55	12.49	6.77	6.61	6.49	7.00	6.47	6.80	6.45
3	11.80	12.99	12.45	6.52	13.60	6.58	6.69	6.51	6.58	6.45	6.50	7.10
4	12.50	12.48	11.80	6.51	13.34	6.50	6.62	6.48	6.50	6.45	6.41	6.68
5	11.99	12.50	10.91	6.50	13.00	6.51	6.60	6.48	7.50	6.46	6.39	6.49
6	10.90	13.04	9.90	6.50	12.40	6.50	7.39	6.43	8.70	6.46	6.33	6.43
7	11.26	12.38	7.88	6.50	11.59	7.00	6.80	6.43	10.51	6.45	6.33	6.41
8	10.41	12.00	6.78	6.51	11.85	6.70	7.60	6.51	11.29	6.42	6.35	6.40
9	8.60	11.20	6.65	6.52	14.10	6.59	9.80	6.49	10.10	6.41	6.33	6.40
10	9.50	10.13	6.60	6.50	15.00	6.54	9.00	6.48	8.20	6.41	6.33	6.41
11	14.30	9.11	6.56	6.51	14.92	6.54	7.32	7.22	7.00	6.41	6.32	6.41
12	14.50	8.41	6.57	6.51	14.50	6.55	6.80	6.79	6.90	6.41	6.34	6.41
13	14.35	7.94	6.57	6.50	14.09	6.55	6.68	6.60	6.80	6.41	6.35	6.40
14	14.00	7.63	6.54	6.53	13.70	6.52	6.61	6.55	6.77	6.44	6.35	8.20
15	13.63	7.34	6.52	12.40	13.50	6.52	6.59	6.50	6.72	6.43	6.35	7.52
16	13.27	6.52	6.51	12.74	13.62	6.51	6.64	6.70	6.68	6.43	6.35	6.70
17	13.00	6.45	7.03	12.25	13.25	6.51	6.59	6.60	6.68	6.41	6.36	6.58
18	12.50	6.44	7.11	11.81	13.49	6.80	6.53	6.54	6.61	6.38	6.37	6.52
19	12.60	6.50	6.92	12.78	13.30	6.77	6.51	6.55	6.60	6.38	6.42	6.68
20	12.21	13.54	6.81	12.50	13.00	6.62	6.51	6.51	6.59	6.39	6.45	6.45
21	11.53	14.39	6.74	11.79	13.09	6.93	6.66	6.50	6.55	6.39	6.57	6.42
22	10.63	14.85	6.70	10.73	12.85	7.01	6.52	6.49	6.54	6.38	6.45	6.42
23	9.49	14.70	6.61	9.45	12.38	7.07	6.51	6.48	6.52	6.61	6.40	6.48
24	8.29	14.36	6.60	8.39	12.25	6.84	6.51	6.47	7.01	6.43	6.39	6.43
25	11.11	13.99	6.55	8.19	11.63	11.22	6.50	6.45	6.97	6.40	6.37	6.41
26	9.90	13.59	6.57	9.00	11.01	10.75	6.50		6.77	6.38	6.37	6.41
27	8.35	13.10	6.54	10.19	10.10	8.90	6.49 F	6.47	6.59	6.67	6.36	6.40
28	7.68	12.60	6.54	10.00	9.22	7.09	6.59	6.42	6.53	6.60	6.35	6.41
29	7.20	-----	6.69	9.80	9.66	6.78	6.52	6.41	6.49	6.49	6.35	6.41
30	12.60	-----	6.88	13.41	8.09	6.69	6.50	6.41	6.51	6.45	6.41	6.42
31	13.61	-----	6.65	-----	7.60	-----	6.50	7.31	-----	6.45	-----	6.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.12	11.26	7.68	8.89	12.44	7.08	6.85	6.56	7.30	6.45	6.41	6.57
MAX	14.50	14.85	12.78	13.41	15.00	11.22	9.80	7.31	11.29	6.67	6.90	8.20
MIN	6.48	6.44	6.51	6.50	7.60	6.50	6.49	6.41	6.49	6.38	6.32	6.40
DAYS	31	28	31	30	31	30	31	30	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.20.

HIGHEST STAGE WAS 15.11 AT 10:00 A.M. ON MAY 5.

LOWEST STAGE WAS 6.31 ON NOV 11.

## DAILY STAGE FOR 1991

BAYOU GROSSE TETE AT ROSEDALE, LA.

LOCATION. LAT. 30-26-33, LONG. 91-27-06. STATE HIGHWAY 76 BRIDGE. (STA. 5236009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JUN. 15, 1983.

RECORDS AVAILABLE. FEB. 19, 1965 TO JUN. 21, 1972 AND JUN. 23, 1973 TO DATE.

EXTREMES. HIGHEST, 14.35 FEET ON APR. 8, 1983. LOWEST, MINUS 0.10 FOOT ON DEC. 24, 1989.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.70	9.28	8.64	2.45	9.11	5.65	2.65	0.55	4.52	0.72	1.84	1.11
2	1.64	9.13	8.98	2.34	8.93	5.23	2.56	0.51	3.78	0.83	2.27	1.25
3	5.85	8.84	8.87	2.26	9.73	4.88	2.64	0.54	2.12	0.99	1.53	2.08
4	7.86	8.48	8.40	2.18	9.65	4.66	2.62	0.62	1.63	1.05	1.13	2.04
5	7.66	8.94	7.77	2.10	9.34	4.44	2.89	0.68	2.88	1.03	0.88	1.38
6	6.98	9.30	7.03	2.05	8.81	4.34	3.86	0.84	5.05	0.83	0.75	1.14
7	6.96	8.80	5.86	2.02	8.19	4.55	4.51	0.99	6.34	0.49	0.78	1.11
8	6.61	8.40	5.00	2.05	8.79	4.30	5.61	1.12	7.01	0.41	0.74	1.08
9	5.42	7.83	4.57	2.03	10.32	3.97	6.32	1.16	6.41	0.53	0.56	1.05
10	6.32	7.12	4.34	2.02	11.20	3.82	6.12	1.18	5.13	0.56	0.39	1.03
11	9.71	6.40	4.15	2.07	11.10	3.77	5.01	2.11	3.74	0.56	0.39	1.03
12	9.92	5.86	3.96	2.12	10.70	3.72	4.03	2.10	2.66	0.63	0.43	1.11
13	9.77	5.50	3.79	2.16	10.29	3.63	3.54	1.35	2.14	0.61	0.46	1.32
14	9.51	5.22	3.62	2.47	9.93	3.53	3.25	0.94	1.87	0.55	0.48	3.34
15	9.28	4.88	3.44	7.10	9.95	3.39	3.01	0.82	1.69	0.49	0.63	4.26
16	9.03	3.87	3.37	8.34	9.95	3.27	2.86	0.97	1.57	0.38	0.65	2.75
17	8.77	3.51	3.99	8.10	9.66	3.18	2.63	1.11	1.43	0.34	0.73	1.99
18	8.48	3.36	4.48	8.07	9.72	3.36	2.38	1.03	1.27	0.35	0.92	1.63
19	8.55	3.96	4.10	8.65	9.61	3.40	2.16	0.96	1.25	0.25	1.09	1.52
20	8.30	9.13	3.79	8.69	9.42	3.37	1.98	0.81	1.06	0.24	1.37	1.49
21	7.81	10.35	3.57	8.14	9.39	3.64	1.95	0.63	0.73	0.36	1.53	1.52
22	7.13	10.69	3.43	7.39	9.23	3.62	1.77	0.55	0.65	0.47	1.34	1.62
23	6.38	10.48	3.23	6.53	9.00	3.59	1.54	0.53	0.84	0.73	1.15	1.70
24	6.15	10.17	3.08	5.73	9.07	3.53	1.36	0.55	1.46	0.81	1.03	1.74
25	7.43	9.86	2.95	5.56	8.58	6.38	1.24	0.64	2.00	0.79	0.84	1.71
26	6.82	9.54	2.85	6.03	8.14	6.79	1.07	0.65	1.83	1.01	0.79	1.66
27	5.86	9.20	2.77	6.62	7.53	5.72	1.02	0.84	1.14	1.86	1.05	1.64
28	5.44	8.82	2.68	6.77	6.97	4.32	0.93	0.99	0.78	1.91	0.94	1.65
29	5.21	-----	2.78	7.47	6.89	3.24	0.82	0.99	0.66	1.51	0.89	1.64
30	7.74	-----	2.99	9.35	6.21	2.85	0.70	1.16	0.67	1.38	0.98	1.64
31	9.19	-----	2.67	-----	5.86	-----	0.53	2.79	-----	1.43	-----	1.61

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.21	7.75	4.55	4.96	9.07	4.14	2.70	0.99	2.48	0.78	0.95	1.67
MAX	9.92	10.69	8.98	9.35	11.20	6.79	6.32	2.79	7.01	1.91	2.27	4.26
MIN	1.64	3.36	2.67	2.02	5.86	2.85	0.53	0.51	0.65	0.24	0.39	1.03
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.91.  
 HIGHEST STAGE WAS 11.61 AT NOON ON MAY 10.  
 LOWEST STAGE WAS 0.21 ON OCT 20 AND LATER DATE(S).

## DAILY STAGE FOR 1991

CHOCTAW BAYOU NEAR ROSEDALE, LA.

LOCATION. LAT. 30-28-36, LONG. 91-23-16. ON HIGHWAY 76 BRIDGE OVER BAYOU CHAPLIN, 4.6 MILES  
NORTHEAST OF ROSEDALE, LA. (STA. 5239009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 19, 1965 TO DATE.

EXTREMES. HIGHEST, 13.81 FEET ON APR. 23, 1979. LOWEST, 0.28 FOOT ON JAN. 18, 1961.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.19	5.39	5.90	3.30	6.18	5.96	3.47	1.45	2.44	1.46	2.35	1.84
2	2.38	5.25	6.39	3.10	5.94	5.72	3.27	1.17	2.30	1.52	2.33	2.00
3	2.90	5.20	6.32	2.97	8.35	5.55	3.26	1.23	2.18	1.69	2.06	2.11
4	3.10	5.03	6.17	2.90	7.00	5.36	3.19	1.18	2.25	1.75	2.03	2.17
5	3.01	7.10	6.06	3.00	6.70	5.25	3.30	1.48	2.23	1.75	1.72	1.89
6	3.01	6.70	5.88	2.75	6.31	5.16	3.41	1.70	3.04	1.49	1.59	1.86
7	3.30	5.95	5.68	2.90	6.15	5.02	3.77	1.77	4.14	1.09	1.53	1.75
8	3.21	5.80	5.33	2.75	7.90	4.89	4.92	1.88	3.71	1.12	1.48	1.81
9	3.10	5.60	5.20	2.80	8.91	4.71	4.69	1.90	3.42	1.20	1.41	1.70
10	3.81	5.40	5.00	2.60	8.75	4.49	4.73	1.91	3.05	1.23	1.17	1.78
11	7.20	5.30	4.90	2.75	10.22	4.41	4.48	3.28	2.67	1.30	1.14	1.78
12	5.44	5.13	4.80	2.78	8.28	4.54	4.26	2.22	2.37	1.35	1.19	1.76
13	5.21	4.90	4.57	2.90	7.78	4.47	4.09	1.76	2.17	1.33	1.21	2.02
14	5.02	4.80	4.23	2.89	7.50	4.37	3.83	1.52	2.09	1.31	1.26	2.52
15	5.01	4.60	4.05	4.49	7.70	4.25	3.67	1.43	1.98	1.28	1.41	2.48
16	4.90	4.50	4.06	4.12	8.00	4.17	3.40	1.56	1.98	1.15	1.40	2.63
17	4.81	4.38	4.37	3.94	7.50	3.98	3.26	1.66	1.84	1.03	1.53	2.28
18	4.71	4.20	4.32	4.50	7.52	4.09	3.02	1.69	1.73	1.02	1.67	2.19
19	5.31	4.10	4.25	5.80	7.38	4.06	2.83	1.70	1.81	0.93	1.87	2.21
20	5.00	8.89	4.08	6.00	7.18	4.03	2.63	1.58	1.45	0.92	2.23	2.26
21	4.83	8.20	4.00	5.15	7.25	3.94	2.43	1.40	1.17	1.10	2.19	2.13
22	4.71	8.39	4.00	4.91	7.04	3.83	2.58	1.37	1.20	1.20	2.07	2.26
23	4.69	7.09	3.82	4.79	6.84	3.73	2.18	1.25	1.50	1.33	1.93	2.38
24	5.00	6.70	3.70	4.65	7.05	3.66	2.02	1.59	1.65	1.54	1.93	2.39
25	5.31	6.50	3.60	4.80	6.88	3.94	1.94	1.33	1.79	1.50	1.67	2.57
26	5.04	6.20	3.58	4.70	6.85	3.81	1.74	1.39	1.51	1.69	1.45	2.41
27	5.00	6.10	3.57	5.00	6.72	3.76	1.68	1.58	1.45	3.17	2.13	2.30
28	5.05	5.94	3.50	5.00	6.53	3.82	1.59	1.75	1.29	2.38	1.75	2.33
29	4.99	-----	3.45	5.10	6.41	3.70	1.41	1.75	1.26	2.21	1.62	2.35
30	5.60	-----	3.25	6.98	6.24	3.53	1.33	1.69	1.31	2.06	1.70	2.47
31	5.41	-----	3.20	-----	6.14	-----	1.18	1.96	-----	2.17	-----	2.39

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.46	5.83	4.56	4.01	7.26	4.41	3.02	1.65	2.10	1.49	1.70	2.16
MAX	7.20	8.89	6.39	6.98	10.22	5.96	4.92	3.28	4.14	3.17	2.35	2.63
MIN	2.19	4.10	3.20	2.60	5.94	3.53	1.18	1.17	1.17	0.92	1.14	1.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.54.  
 HIGHEST STAGE WAS 11.02 AT 5:30 P.M. ON MAY 10.  
 LOWEST STAGE WAS 0.90 ON OCT 19.

## DAILY STAGE FOR 1991

## INTRACOASTAL WATERWAY AT PORT ALLEN LOCK (LA.)

LOCATION. LAT. 30-25-55, LONG. 91-12-37. ON WEST END OF LOCK (MORGAN CITY-PORT ALLEN ROUTE),  
1.5 MILES SOUTH OF PORT ALLEN, LA. (STA. 5241509.)

GAGE, AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.52 FOOT, NGVD.

RECORDS AVAILABLE. JULY 14, 1961 TO DATE.

EXTREMES. HIGHEST, 9.65 FEET ON APR. 13, 1980. LOWEST, 0.25 FOOT ON DEC. 24, 1989.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.90	5.06	5.76	3.16	5.90	5.76	3.76	1.32	2.54	1.68	2.54	1.87
2	2.35	5.06	5.86	3.06	5.70	5.59	3.20	1.22	2.51	1.65	2.48	1.64
3	2.70	5.06	6.06	2.66	5.76	5.38	3.02	1.23	2.31	1.77	2.28	2.52
4	2.90	5.06	6.16	3.06	5.86	5.28	3.26	2.31	2.37	1.87	1.96	2.04
5	3.50	5.96	6.24	3.06	6.26	4.88	3.22	1.51	2.59	1.83	1.67	2.16
6	3.03	5.96	5.66	3.06	6.26	5.07	3.33	1.91	2.68	1.70	1.70	1.84
7	3.22	5.56	5.26	3.06	6.26	4.59	3.62	2.06	3.62	1.37	1.95	1.65
8	3.15	5.76	5.26	3.06	6.76	4.77	4.71	2.16	3.72	1.29	1.63	1.83
9	3.16	5.76	5.26	3.06	7.06	4.37	4.44	2.23	3.49	1.36	1.36	1.97
10	3.69	5.46	4.86	2.96	7.56	4.50	4.61	2.12	3.13	1.36	1.25	2.04
11	5.26	5.46	4.86	2.46	8.06	4.51	4.36	2.44	2.86	1.40	1.20	1.69
12	4.86	5.06	4.76	2.86	7.76	4.55	4.27	2.45	2.51	1.50	1.18	1.77
13	5.06	5.06	4.26	2.86	7.46	4.39	4.38	2.07	2.30	1.42	1.20	1.91
14	4.66	4.66	4.26	2.86	7.46	4.44	3.75	1.83	2.19	1.40	1.35	2.27
15	4.66	4.66	4.26	3.86	7.50	4.31	3.60	1.81	2.06	1.34	1.33	2.33
16	5.16	4.46	4.26	3.86	7.57	4.09	3.37	1.86	2.15	1.33	1.60	2.17
17	4.76	4.46	4.46	3.86	7.39	4.37	3.19	1.86	1.97	1.12	1.43	2.48
18	4.86	4.16	4.26	4.06	7.35	3.97	3.00	1.83	1.90	1.15	1.60	2.18
19	5.06	3.86	4.26	4.95	7.27	3.83	2.93	1.98	1.91	1.02	1.76	1.98
20	5.06	6.06	4.26	5.20		3.84	2.74	1.79	1.65	1.09	2.00	1.99
21	4.76	6.46	4.06	5.05	6.96	3.89	2.43	1.62	1.40	1.16	2.10	2.27
22	4.76	6.59	3.66	5.00	6.71	3.76	2.40	1.51	1.34	1.18	1.94	2.23
23	4.66	6.26	3.86	4.85	6.56	3.67	2.16	1.54	1.58	1.36	1.82	2.32
24	4.76	6.26	3.76	4.70	7.08	3.68	2.04	1.70	1.73	1.65	1.65	2.38
25	5.06	5.76	3.86	4.65	6.72	3.67	1.83	1.62	1.96	1.48	1.39	2.51
26	4.96	6.06	3.46	4.65	6.62	3.69	1.78	1.66	1.67	1.69	1.54	2.28
27	4.76	5.76	3.46	4.85	6.40	3.94	1.75	2.04	1.63	2.80	1.53	2.88
28	5.06	5.76	3.46	4.90	6.32	3.71	1.50	2.17	1.59	2.26	1.39	2.30
29	5.06	-----	3.26	5.00	6.44	3.73	1.53	1.96	1.37	2.27	1.60	2.36
30	4.96	-----	3.26	6.10	6.12	3.59	1.56	2.50	1.66	2.20	1.50	2.28
31	4.96	-----	3.26	-----	5.91	-----	1.27	2.17	-----	2.30	-----	2.36

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.31	5.41	4.50	3.89	6.77	4.33	3.00	1.89	2.21	1.58	1.66	2.15
MAX	5.26	6.59	6.24	6.10	8.06	5.76	4.71	2.50	3.72	2.80	2.54	2.88
MIN	2.35	3.86	3.26	2.46	5.70	3.59	1.27	1.22	1.34	1.02	1.18	1.64
DAYS	31	28	31	30	30	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 3.46.

HIGHEST STAGE WAS 8.06 AT 8:00 A.M. ON MAY 11 (FIR).

LOWEST STAGE WAS 0.91 ON OCT 20.

## DAILY STAGE FOR 1991

INTRACOASTAL WATERWAY AT MORLEY, LA.

LOCATION. LAT. 30-23-42, LONG. 91-19-23. ON SOUTHEAST GUIDE WALL OF RAILROAD BRIDGE.  
(STA. 5244109.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. NOV. 1966 TO DATE. FOR RECORDS, 1941 TO 1942 AND 1953 TO 1967, REFER TO GAGE  
ON CHOCTAW BAYOU AT MORLEY.

EXTREMES. HIGHEST, 10.41 FEET ON APR. 14, 1980. LOWEST, 0.95 FOOT ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.15	6.02	6.60	3.92	6.60	6.79	4.37	2.25	2.98	2.05	3.06	2.16
2	3.07	6.00	6.72	4.06	6.50	6.69	3.98	2.17	3.09	2.47	3.16	
3	3.38	5.90	7.13	3.75	7.50	6.44	4.03	2.18	3.00	2.63	2.93	
4	3.58	5.82	6.80	3.90	7.22	6.22	4.18	2.47	3.13	2.52	2.86	2.94
5	4.00	6.65	6.69	3.65	7.15	6.04	4.19	2.33	3.16	2.71	2.86	
6	3.70	7.33	6.80	3.60	6.95	5.89	4.33	2.39	3.50	2.48	2.74	
7	4.25	7.50	6.35	3.55	6.85	5.86	4.70	2.53	4.24	2.19	2.93	
8	3.87	7.62	6.16	3.58	7.60	5.68	5.56	2.67	4.12	2.17	3.05	
9	4.15	7.70	5.95	3.63	8.05	5.46	5.51	2.70	4.01	2.24	3.69	
10	4.30	7.80	5.75	3.56	8.40	5.38	5.57	2.64	3.72	2.30	3.20 F	2.80
11	5.83	7.90	5.56	3.60	8.76	5.42	5.38	3.02	3.43	2.31	3.24	2.65
12	5.95	8.10	5.36	3.60	8.55	5.23	5.20	2.92	3.09	2.33	3.53	2.70
13	5.65	8.26	5.28	3.70	8.27	5.19	5.05	2.50	2.91	2.33	3.69	2.85
14	5.65	8.43	5.10	4.00	8.15	4.99	4.78	2.33		2.30	1.49	3.10
15	5.60	8.60	5.00	4.57	8.25	4.92	4.61	2.22		2.25	1.84	3.19
16	5.65	8.75	4.85	4.85	8.35	4.89	4.37	2.34		2.23	1.98	3.20
17	5.60	8.95	5.30	4.67	8.17	4.86	4.15	2.33		2.11	2.15	
18	5.85	9.10	5.10	5.00	8.15	4.68	3.96	2.45		2.13	2.57	
19	6.00	9.20	5.03		8.05	4.70	3.76	2.47	2.47	1.99		
20	5.71	7.16	4.90		7.95	4.64	3.55	2.29	2.19	1.93		
21	5.79	7.05	4.80		7.87	4.70	3.42	2.11	1.90	2.19	1.00	
22	5.54	7.50	4.71		7.75	4.42	3.38	2.08	1.88	2.15	0.97	
23	5.50	7.25	4.75		7.60	4.51	3.16	2.05	2.21	2.42	1.00 F	3.30
24	5.55	7.13	4.50		7.74	4.36	2.99	2.13	2.35	2.46	1.28	3.30
25	5.82	7.05	4.40		7.67	4.43	2.86	2.11	2.47	2.42	1.51	3.21
26	5.72	7.10	4.30		7.63	4.43	2.69	2.22	2.25	2.67	1.42	3.25
27	5.70	6.95	4.30		7.49	4.38	2.61	2.51	2.14	3.69	1.91	3.25
28	6.05	6.85	4.20		7.34	4.49	2.53	2.55	2.14	3.30	1.61	3.22
29	6.00	-----	4.20		7.22	4.36	2.40	2.49	2.04	3.04	1.96	3.20
30	5.85	-----	3.97 F	6.68	7.08	4.23	2.31	2.68	2.14	2.89	1.86	3.35
31	6.20	-----	4.25	-----	6.83	-----	2.20	2.73	-----	2.93	-----	3.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.12	7.49	5.32	4.10	7.67	5.14	3.93	2.42	2.82	2.45	2.34	3.05
MAX	6.20	9.20	7.13	6.68	8.76	6.79	5.57	3.02	4.24	3.69	3.69	3.35
MIN	3.07	5.82	3.97	3.55	6.50	4.23	2.20	2.05	1.88	1.93	0.97	2.16
DAYS	31	28	31	19	31	30	31	31	25	31	28	18

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 334

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.39.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 9.26 AT 9:30 A.M. ON FEB 19.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1991

## LOWER GRAND RIVER AT BAYOU SORREL LOCK (LA.)

LOCATION. LAT. 30-07-55, LONG. 91-19-22. IN NORTH APPROACH CHANNEL (IWM, MORGAN CITY-PORT ALLEN ROUTE), 1.9 MILES SOUTH OF BAYOU SORREL, LA. (STA. 5256009.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. SUBTRACT 0.3 FROM STAGES PRIOR TO 1955.

RECORDS AVAILABLE. DAILY, JAN. 2 TO DEC. 31, 1947, AND JAN. 2, 1951 TO DATE. INTERMITTENTLY, 1948 TO 1950. FOR RECORDS 1939 TO 1946, REFER TO GAGE LOWER GRAND RIVER AT JUNCTION BAYOU SORREL.

EXTREMES. HIGHEST, 7.90 FEET ON APR. 15 AND 16, 1980. LOWEST, MINUS 0.30 FOOT (PRESENT DATUM) ON OCT. 9, 1952.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	2.5 G	5.3 G	5.9 G	3.5 G	5.9 G	6.0 G	3.6 G	1.7	2.5	1.8 G	2.5 G	2.2
2 G	2.7 G	5.3 G	6.0 G	3.3 G	5.9 G	5.9 G	3.6 G	1.6	2.6	1.7 G	2.6 G	2.5
3 G	2.6 G	5.3 G	6.3 G	3.3 G	6.0 G	5.7 G	3.5 G	1.6 G	2.6	1.9 G	2.4 G	2.5
4 G	3.2 G	5.3 G	6.2 G	3.3 G	6.3 G	5.5 G	3.3	1.6 G	2.6	2.0 G	2.2 G	2.3
5 G	3.2 G	5.4 G	6.1 G	3.3 G	6.4 G	5.4 G	3.5	1.7 G	2.5	2.1 G	2.0 G	2.3
6 G	3.3 G	5.8 G	5.9 G	3.0 G	6.3 G	5.4 G	3.7	1.9 G	2.8	1.9 G	1.9 G	2.1
7 G	3.5 G	5.8 G	5.8 G	3.0 G	6.2 G	5.3 G	4.0	2.0 G	3.4	1.6 G	1.9 G	2.2
8 G	3.5 G	5.8 G	5.7 G	3.0 G	6.5 G	5.2 G	4.7	2.1 G	3.7	1.4 G	1.9 G	2.1
9 G	3.5 G	5.7 G	5.7 G	3.0 G	6.8 G	5.0 G	4.8	2.2 G	3.6	1.6 G	1.9 G	2.1
10 G	3.5 G	5.6 G	5.3 G	3.1 G	7.3 G	4.9 G	4.8	2.2	3.4	1.5 G	1.7 G	2.1
11 G	4.4 G	5.5 G	5.1 G	3.1 G	7.6 G	4.8 G	4.8	2.3	3.1	1.6 G	1.5 G	2.0
12 G	4.9 G	5.3 G	5.0 G	3.1 G	7.7 G	4.7 G	4.6	2.3	2.8	1.6 G	1.5 G	2.1
13 G	5.1 G	5.2 G	4.8 G	3.1 G	7.6 G	4.6 G	4.4	2.1	2.6	1.7 G	1.5 G	2.1
14 G	5.1 G	5.0 G	4.7 G	3.2 G	7.5 G	4.4 G	4.2	1.9	2.6	1.5 G	1.5 G	2.5
15 G	5.0 G	4.9 G	4.4 G	3.8 G	7.4 G	4.4 G	4.0	1.8	2.3	1.6 G	1.5 G	2.7
16 G	5.0 G	4.7 G	4.3 G	4.0 G	7.5 G	4.3 G	3.8	1.8	2.4	1.5 G	1.6 G	2.7
17 G	5.0 G	4.7 G	4.3 G	4.1 G	7.4 G	4.2 G	3.7	1.8	2.3	1.4 G	1.6 G	2.6
18 G	4.9 G	4.3 G	4.5 G	4.2 G	7.4 G	4.2 G	3.4	2.0	2.2	1.5 G	2.0 G	2.5
19 G	5.0 G	4.2 G	4.5 G	4.6 G	7.3 G	4.1 G	3.3	1.9	2.0	1.5 G	2.1 G	2.5
20 G	5.1 G	4.7 G	4.5 G	4.6 G	7.2 G	4.1 G	3.1	1.9	1.9	1.4 G	2.3 G	2.5
21 G	5.1 G	5.8 G	4.3 G	5.1 G	7.2 G	4.0 G	3.1	1.7	1.6	1.4 G	2.5 G	2.5
22 G	5.0 G	6.3 G	4.2 G	5.1 G	7.1 G	4.0 G	3.1	1.5	1.5	1.5 G	2.3 G	2.5
23 G	4.9 G	6.4 G	4.1 G	5.0 G	6.9 G	3.9 G	2.6	1.5	1.7	1.5 G	2.1 G	2.8
24 G	5.0 G	6.4 G	4.0 G	4.9 G	7.0 G	3.8 G	2.5	1.6	1.9	1.7 G	2.1 G	2.7
25 G	5.1 G	6.4 G	3.9 G	4.9 G	7.0 G	3.8 G	2.3	1.6	2.0	1.8 G	1.9 G	2.8
26 G	5.1 G	6.3 G	3.6 G	4.8 G	7.0 G	3.8 G	2.1	1.6	2.0	2.1 G	1.8 G	2.7
27 G	5.1 G	6.2 G	3.7 G	5.0 G	6.8 G	3.9 G	2.1	1.7	1.7	2.7 G	2.0 G	2.7
28 G	5.1 G	6.0 G	3.6 G	5.1 G	6.7 G	3.8 G	2.0	2.0	1.7	2.7 G	2.0 G	2.7
29 G	5.1	-----	3.6 G	5.1 G	6.6 G	3.9 G	1.9	2.1	1.5 G	2.5 G	2.0 G	2.7
30 G	5.1	-----	3.6 G	5.7 G	6.4 G	3.7 G	1.9	2.0	1.5 G	2.5 G	2.0 G	2.7
31 G	5.3	-----	3.5	-----	6.4	-----	1.6	2.2	-----	2.5	-----	2.7

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.4	5.5	4.7	4.0	6.9	4.6	3.4	1.9	2.4	1.8	2.0	2.5
MAX	5.3	6.4	6.3	5.7	7.7	6.0	4.8	2.3	3.7	2.7	2.6	2.8
MIN	2.5	4.2	3.5	3.0	5.9	3.7	1.6	1.5	1.5	1.4	1.5	2.0
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 3.6.

HIGHEST STAGE WAS 7.7 AT 8:00 A.M. ON MAY 12.

LOWEST STAGE WAS 1.4 ON OCT 8 AND LATER DATE(S).

## DAILY STAGE FOR 1991

BELLE RIVER NEAR PIERRE PASS, LA.

LOCATION. LAT. 29-54-28, LONG. 91-12-59. ON RIGHT BANK, 100 FEET SOUTH OF HIGHWAY 70 BRIDGE,  
3.5 MILES SOUTH OF PIERRE PASS, LA. (STA. 5264010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 29, 1955 TO DATE.

EXTREMES. HIGHEST, 5.10 FEET (CAUSED BY HURRICANE) ON NOV. 1, 1985. LOWEST, MINUS 0.30 FOOT ON  
JAN. 13 AND 14, 1956 AND DEC. 23, 1989 AND LATER DATE(S).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.10		2.90	2.70	4.10	3.95	2.60	1.60	1.90	1.60	2.10	1.90
2	2.20		3.10	2.60	4.00	3.90	2.60	1.70	1.90	1.70	2.00	1.90
3	2.20		3.10	2.40	4.00	3.80	2.60	1.70	2.00	1.80	1.90	1.90
4	2.20		3.10	2.60	4.00	3.70	2.60	1.70	1.90	1.80	1.70	1.90
5	2.30		3.10	2.60	4.00	3.60	2.50	1.70	2.00	1.80	1.60	1.80
6	2.30		3.10	2.60	3.90	3.50	2.70	1.70	2.10	1.40	1.60	1.80
7	2.40		3.20	2.60	3.80	3.40	2.80	1.65	2.20	1.20	1.60	1.80
8	2.40		3.10	2.80	4.30	3.40	2.80	1.65	2.20	1.30	1.50	1.80
9	2.50		3.10	2.80	4.50	3.40	2.70	1.65	2.10	1.30	1.40	1.80
10	2.80		3.10	2.80	4.80	3.50	2.60	1.60	2.10	1.40	1.40	1.90
11	3.20F	3.30	3.00	2.90	4.70	3.60	2.60	1.50	2.00	1.50	1.50	1.90
12	3.10	3.20	3.00	2.90	4.60	3.80	2.50	1.50	2.00	1.50	1.50	1.90
13	3.10	3.10	3.00	3.00	4.50	3.70	2.50	1.40	1.90	1.40	1.50	2.00
14	3.30	3.00	3.10	3.00	4.45	3.60	2.40	1.40	1.80	1.40	1.50	2.10
15	3.30	2.90	3.00	3.20	4.40	3.50	2.40	1.40	1.90	1.30	1.50	1.80
16	3.30	2.90	3.10	3.30	4.50	3.50	2.20	1.40	1.90	1.30	1.60	1.90
17	3.30	2.80	3.20	3.30	4.45	3.50	2.00	1.40	1.90	1.30	1.60	2.00
18	3.30	2.70	3.20	3.40	4.40	3.40	1.80	1.40	1.90	1.20	1.70	2.00
19	3.30	2.70	3.10	3.40	4.40	3.30	1.90	1.40	1.90	1.20	1.70	2.10
20		2.70	3.00	3.40	4.35	3.20	1.90	1.40	1.70	1.20	1.80	2.20
21		2.80	3.10	3.40	4.30	3.15	1.90	1.30	1.30	1.30	1.90	2.30
22		3.00	3.20	3.40	4.25	3.10	1.90	1.30	1.30	1.40	2.00	2.30
23		3.00	3.20	3.30	4.20	3.05	1.80	1.40	1.40	1.50	2.10	2.50
24		2.90	3.20	3.30	4.20	3.00	1.80	1.50	1.50	1.60	2.00	2.50
25		2.90	3.30	3.40	4.30	2.90	1.80	1.50	1.60	1.70	1.90	2.50
26		2.80	3.00	3.80	4.30	2.80	1.70	1.60	1.60	1.90	1.60	2.50
27		2.80	3.00	4.00	4.25	2.70	1.70	1.70	1.50	2.00	1.60	2.50
28		2.80	3.00	4.00	4.20	2.60	1.60	1.70	1.40	2.00	1.70	2.40
29		-----	3.00	4.00	4.15	2.60	1.60	1.80	1.50	2.00	1.70	2.30
30		-----	2.80	4.10	4.10	2.60	1.60	1.80	1.50	2.10	1.80	2.30
31		-----	2.80	-----	4.05	-----	1.60	1.90	-----	2.10	-----	2.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.77	2.91	3.07	3.17	4.27	3.32	2.18	1.56	1.80	1.55	1.70	2.09
MAX	3.30	3.30	3.30	4.10	4.80	3.95	2.80	1.90	2.20	2.10	2.10	2.50
MIN	2.10	2.70	2.80	2.40	3.80	2.60	1.60	1.30	1.30	1.20	1.40	1.80
DAYS	19	18	31	30	31	30	31	31	30	31	23	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 343

THE MEAN STAGE FOR THE YEAR WAS 2.51.

HIGHEST STAGE WAS 4.80 AT 8:00 A.M. ON MAY 10.

LOWEST STAGE WAS 1.20 ON OCT 7 AND LATER DATE(S).

## DAILY STAGE FOR 1991

PIERRE PASS AT PIERRE PART, LA.

LOCATION. LAT. 29-57-50, LONG. 91-12-32. ABOUT 30 FEET DOWNSTREAM FROM HIGHWAY 70 BRIDGE.  
(STA. 5268010.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1974 STATION WAS REFERRED TO AS PIERRE PASS AT PIERRE PASS, LA.

RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1939, 1944 TO 1947, 1949 TO 1950, AND 1953. DAILY,  
AUG. 3, 1955 TO DATE.

EXTREMES. (SINCE 1944) HIGHEST, 5.00 FEET ON APR. 19 AND LATER DATES IN 1973. LOWEST, MINUS 1.2  
FEET ON DEC. 25, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.7	3.5	2.7	2.3	3.7	3.7	2.3	0.9	1.5	1.0	2.0	1.6
2	1.8	3.5	2.8	2.3	3.7	3.6	2.3	1.0	1.5	1.1	1.9	1.7
3	1.8	3.4	2.8	2.3	3.7	3.5	2.2	1.1	1.6	1.4	1.6	1.5
4	1.8	3.4	2.7	2.3	3.7	3.4	2.1	1.1	1.7	1.5	1.3	1.3
5	1.8	3.5	2.8	2.3	3.7	3.3	2.1	1.1	1.7	1.5	1.3	1.3
6	2.0	3.5	2.9	2.3	3.6	3.2	2.2	1.1	1.7	1.0	1.4	1.4
7	2.0	3.4	2.9	2.4	3.5	3.1	2.6	1.1	1.8	0.7	1.5	1.5
8	2.0	3.3	2.8	2.5	3.9	3.1	2.5	1.2	1.9	0.9	1.4	1.5
9	2.1	3.2	2.7	2.5	4.2	3.1	2.5	1.3	1.8	1.1	1.0	1.6
10	2.4	3.1	2.7	2.5	4.5	3.1	2.5	1.3	1.8	1.1	1.0	1.5
11	2.7	3.0	2.7	2.5	4.4	3.2	2.4	1.1	1.7	1.1	1.0	1.5
12	2.7	2.9	2.8	2.5	4.3	3.3	2.3	1.1	1.8	1.2	1.1	1.6
13	2.7	2.8	2.8	2.7	4.2	3.3	2.2	0.9	1.7	1.1	1.1	1.6
14	2.8	2.7	2.7	2.8	4.2	3.3	2.1	0.8	1.7	1.0	1.1	1.7
15	3.0	2.5	2.7	2.9	4.2	3.3	1.9	0.8	1.6	1.0	1.3	1.5
16	3.0	2.5	2.7	3.0	4.2	3.2	1.8	1.0	1.6	0.8	1.3	1.6
17	3.0	2.5	2.9	2.9	4.2	3.1	1.7	1.0	1.5	0.7	1.5	1.7
18	3.0	2.6	2.8	3.0	4.1	3.1	1.6	1.1	1.3	0.9	1.6	1.8
19	3.0	2.7	2.8	3.1	4.2	3.0	1.6	1.0	1.3	0.8	1.7	1.8
20	3.0	2.5	2.8	3.0	4.0	2.9	1.5	0.9	1.0	0.8	1.8	1.9
21	2.9	2.5	2.8	3.0	4.0	2.8	1.4	0.8	0.7	0.9	1.7	2.1
22	2.9	2.7	3.0	3.0	3.9	2.7	1.4	0.8	1.0	1.0	1.7	2.1
23	3.0	2.6	2.9	3.0	3.8	2.7	1.5	0.8	1.3	1.2	1.7	2.2
24	3.1	2.6	2.8	3.0	3.9	2.6	1.5	0.8	1.4	1.4	1.1	2.1
25	3.2	2.6	2.7	3.0	3.9	2.5	1.5	0.8	1.4	1.4	1.1	2.1
26	3.3	2.5	2.7	3.4	4.0	2.5	1.3	0.9	1.0	1.6	1.2	2.1
27	3.3	2.5	2.8	3.5	4.0	2.4	1.3	1.1	1.0	1.7	1.3	2.1
28	3.3	2.5	2.8	3.7	4.0	2.5	1.1	1.2	0.9	1.8	1.3	2.1
29	3.5	-----	2.7	3.8	3.9	2.5	1.0	1.3	0.9	1.9	1.4	2.1
30	3.7	-----	2.6	3.8	3.8	2.4	0.9	1.2	1.0	1.9	1.5	2.1
31	3.6	-----	2.4	-----	3.8	-----	0.9	1.3	-----	2.0	-----	2.1

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.7	2.9	2.8	2.8	4.0	3.0	1.8	1.0	1.4	1.2	1.4	1.8
MAX	3.7	3.5	3.0	3.8	4.5	3.7	2.6	1.3	1.9	2.0	2.0	2.2
MIN	1.7	2.5	2.4	2.3	3.5	2.4	0.9	0.8	0.7	0.7	1.0	1.3
DAYS	30	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364  
THE MEAN STAGE FOR THE YEAR WAS 2.2.  
HIGHEST STAGE WAS 4.5 AT 8:A.M. ON MAY 10.  
LOWEST STAGE WAS 0.7 ON SEP 21 AND LATER DATE(S).

## DAILY STAGE FOR 1991

LAKE VERRET AT ATTAKAPAS LANDING, LA.

LOCATION. LAT. 29-50-58, LONG. 91-06-09. AT ATTAKAPAS BOAT RAMP, IN LOWER PART OF LAKE,  
7.7 MILES SOUTHWEST OF NAPOLEONVILLE, LA. (STA. 5272010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. DAILY, JUNE 15, 1932 TO JULY 25, 1933, AND AUG. 22, 1955 TO DATE.  
INTERMITTENTLY, 1939, 1944 TO 1947, AND 1949 TO 1950.EXTREMES. (SINCE 1944) HIGHEST, 5.20 FEET ON APR. 21, 1973. LOWEST, MINUS 0.3 FOOT ON JAN. 14,  
1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1987 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.80	3.65	2.70	2.40	3.75	3.75	2.40	1.20	1.60	1.40	2.10	1.70
2	1.90	3.55	2.90	2.30	3.75	3.55	2.30	1.30	1.70	1.50	2.00	1.80
3	2.00	3.50	2.95	2.40	3.75	3.55	2.25	1.30	1.70	1.60	1.80	1.90
4	1.90	3.45	2.85	2.40	3.75	3.50	2.20	1.30	1.70	1.60	1.50	1.50
5	2.00	3.60	2.80	2.40	3.75	3.40	2.20	1.30	1.80	1.60	1.30	1.30
6	2.20	3.55	2.90	2.40	3.75	3.30	2.30	1.30	1.85	1.05	1.60	1.40
7	2.25	3.50	2.85	2.40	3.55	3.20	2.40	1.30	1.90	1.10	1.60	1.40
8	2.20	3.40	2.90	2.50	4.15	3.20	2.60	1.30	2.00	1.10	1.60	1.60
9	2.30	3.30	2.85	2.60	4.30	3.15	2.60	1.40	1.90	1.20	1.10	1.65
10	2.45	3.15	2.80	2.60	4.55	3.15	2.50	1.40	1.80	1.30	1.10	1.60
11	2.90	3.05	2.80	2.60	4.45	3.30	2.45	1.25	1.80	1.30	1.30	1.70
12	2.85	2.95	2.80	2.60	4.40	3.40	2.35	1.25	1.80	1.30	1.15	1.75
13	2.85	2.90	2.90	2.70	4.30	3.40	2.30	1.00	1.80	1.20	1.20	1.80
14	2.90	2.80	2.85	2.80	4.20	3.45	2.10	0.90	1.80	1.10	1.30	1.90
15	2.95	2.80	2.75	3.00	4.20	3.35	2.00	1.10	1.75	1.00	1.50	1.60
16	3.10	2.50	2.75	2.95	4.20	3.25	1.90	1.25	1.75	1.00	1.45	1.75
17	3.05	2.50	2.95	3.00	4.15	3.20	1.70	1.20	1.65	0.90	1.55	1.80
18	3.00	2.60	3.00	3.10	4.15	3.15	1.60	1.20	1.50	0.90	1.60	1.95
19	3.20	2.60	2.95	3.20	4.10	3.05	1.60	1.10	1.50	0.80	1.70	1.95
20	3.15	2.65	2.90	3.15	4.00	3.00	1.60	1.10	1.40	0.80	1.90	2.00
21	3.10	2.60	2.90	3.05	4.00	2.90	1.50	0.95	0.90	0.90	1.85	2.10
22	3.05	2.80	3.00	3.05	3.95	2.80	1.50	1.05	0.90	1.00	1.80	2.20
23	3.10	2.75	3.05	3.15	3.85	2.80	1.60	0.90	1.40	1.30	1.80	2.40
24	3.30	2.70	2.90	3.05	3.85	2.70	1.60	1.00	1.50	1.50	1.40	2.35
25	3.30	2.70	2.80	3.15	4.00	2.65	1.50	1.00	1.30	1.60	1.30	2.25
26	3.35	2.60	2.70	3.30	4.10	2.60	1.40	1.05	1.00	1.70	1.30	2.20
27	3.35	2.60	2.70	3.60	4.05	2.55	1.35	1.20	1.00	1.80	1.30	2.25
28	3.45	2.60	2.80	4.00	4.00	2.55	1.35	1.20	1.00	1.95	1.30	2.25
29	3.60	-----	2.90	3.90	3.95	2.55	1.20	1.30	1.10	2.00	1.35	2.25
30	3.80	-----	2.75	3.80	3.85	2.50	1.20	1.30	1.20	2.05	1.40	2.20
31	3.75	-----	2.60	-----	3.80	-----	1.20	1.40	-----	2.20	-----	2.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.84	2.98	2.85	2.92	4.02	3.10	1.90	1.19	1.53	1.35	1.50	1.90
MAX	3.80	3.65	3.05	4.00	4.55	3.75	2.60	1.40	2.00	2.20	2.10	2.40
MIN	1.80	2.50	2.60	2.30	3.55	2.50	1.20	0.90	0.90	0.80	1.10	1.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.33.

HIGHEST STAGE WAS 4.55 AT 8:00 A.M. ON MAY 10.

LOWEST STAGE WAS 0.80 ON OCT 19 AND LATER DATE(S).

## DAILY STAGE FOR 1991

LAKE PALOURDE NEAR MORGAN CITY, LA.

LOCATION. LAT. 29-43-13, LONG. 91-11-16. APPROXIMATELY 1.5 MILES NORTH OF MORGAN CITY AND 75 FEET EAST OF LA. HIGHWAY 70 IN LAKE PALOURDE. (STA. 5275010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 1974 TO DATE.

EXTREMES. HIGHEST, 4.79 FEET ON MAY 9, 1991. LOWEST, MINUS 0.50 FOOT ON DEC. 27, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.18	3.90	2.90	2.75	3.91	3.90	2.64	1.25	2.04	1.68	2.55	1.95
2	2.24	3.85	3.15	2.71	3.90	3.81	2.60	1.54	2.09	1.85	2.17	1.97
3	2.30	3.77	3.15	2.75	3.90	3.72	2.55	1.62	2.17	1.97	2.06	2.05
4	2.29	3.70	3.05	2.80	3.90	3.63	2.48	1.67	2.10	1.98	1.80	1.80
5	2.32	3.83	3.04	2.81	3.91	3.52	2.46	1.69	2.18	1.97	1.76	1.83
6	2.42	3.81	3.08	2.81	3.91	3.45	2.67	1.67	2.20	1.42	1.95	1.95
7	2.53	3.71	3.14	2.81	3.84	3.43	2.73	1.64	2.20	1.20	2.01	1.90
8	2.52	3.60	3.18	2.94	4.25	3.50	2.85	1.64	2.17	1.56	1.95	1.97
9	2.60	3.47	3.16	2.94	4.50	3.47	2.80	1.73	2.07	1.70	1.45	1.99
10	2.83	3.35	3.13	2.96	4.66	3.47	2.68	1.62	2.07	1.66	1.55	1.99
11	3.10	3.26	3.09	2.94	4.55	3.58	2.61	1.44	2.10	1.64	1.54	2.03
12	3.13	3.16	3.14		4.43	3.69	2.53	1.42	2.16	1.65	1.60	2.08
13	3.11	3.10	3.15		4.34	3.60	2.39	1.22	2.15	1.56	1.57	2.14
14	3.18	3.09	3.14		4.25	3.55	2.26	1.14	2.15	1.55	1.70	2.23
15	3.33	2.90	3.15		4.25	3.54	2.13	1.31	2.09	1.59	1.79	2.09
16	3.34	2.80	3.14		4.32	3.48	2.10	1.52	2.09	1.37	1.76	2.10
17	3.33	2.80	3.30		4.27	3.40	1.86	1.63	2.00	1.11	1.85	2.18
18	3.38	2.80	3.25		4.26	3.33	1.86	1.73	1.90	1.40	1.94	2.25
19	3.38	2.75	3.17		4.25	3.25	2.06	1.58	1.93	1.27	2.05	2.37
20	3.39	2.96	3.17		4.21	3.16	1.89	1.45	1.30	1.36	2.35	2.42
21	3.44	2.83	3.14		4.16	3.11	1.94	1.41	1.33	1.44	2.05	2.57
22	3.34	2.93	3.17		4.13	3.03	1.93	1.36	1.59	1.55	2.06	2.57
23	3.36	2.91	3.23		4.05	2.98	2.01	1.27	1.74	1.68	2.05	2.68
24	3.57	2.87	3.10 F	3.30	4.15	2.93	1.90	1.31	1.80	1.94	1.61	2.64
25	3.56	2.90	3.01	3.39	4.17	2.85	1.77	1.27	1.79	2.04	1.65	2.58
26	3.58	2.88	2.98	3.55	4.20	2.76	1.77	1.35	1.39	2.10	1.74	2.57
27	3.59	2.85	2.95	3.81	4.15	2.76	1.62	1.50	1.37	2.25	1.77	2.61
28	3.69	2.90	3.05	3.87	4.11	2.84	1.55	1.60	1.42	2.33	1.75	2.55
29	3.85	-----	3.06	3.94	4.05	2.79	1.40	1.66	1.61	2.43	1.79	2.53
30	4.02	-----	3.06	4.00	3.97	2.72	1.35	1.63	1.64	2.49	1.90	2.55
31	4.07	-----	2.90	-----	3.95	-----	1.35	1.73	-----	2.57	-----	2.56

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.13	3.20	3.11	3.17	4.16	3.31	2.15	1.50	1.89	1.75	1.86	2.25
MAX	4.07	3.90	3.30	4.00	4.66	3.90	2.85	1.73	2.20	2.57	2.55	2.68
MIN	2.18	2.75	2.90	2.71	3.84	2.72	1.35	1.14	1.30	1.11	1.45	1.80
DAYS	31	28	31	18	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 353

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.60.

HIGHEST STAGE WAS 4.79 AT 3:30 P.M. ON MAY 9.

LOWEST STAGE WAS 1.04 ON OCT 7.

## DAILY STAGE FOR 1991

BAYOU BOEUF AT AMELIA, LA.

LOCATION. LAT. 29-40-06, LONG. 91-05-50. JUST NORTH OF SOUTHERN PACIFIC RAILROAD AND U. S. HIGHWAY 90 BRIDGES. (STA. 5280010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1942, 1944 TO 1954. DAILY, JAN. 12, 1955 TO DATE.

EXTREMES. HIGHEST, 4.90 FEET ON APR. 30, 1975. LOWEST, CHANNEL DRY ON JAN. 20, 1940.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.05	3.69	2.62	2.55	3.71	3.65 F	2.55	1.27		1.45	2.59	1.70
2	2.10	3.63	3.00	2.48	3.67	3.56	2.45	1.57		1.76	1.89	1.71
3	2.23	3.55	3.06	2.51	3.70	3.47	2.42	1.58		1.85	1.85	1.78
4	2.18	3.47	2.83	2.58	3.70	3.38	2.39	1.63		1.90	1.55	1.55
5	2.21	3.65	2.86	2.55	3.71	3.28	2.35	1.70		1.85	1.70	1.50
6	2.31	3.51	2.96	2.57	3.66	3.22	2.60 F	1.56		1.01		1.65
7	2.42	3.41	2.95	2.55	3.57	3.25	2.65			1.45		1.69
8	2.40	3.30	3.00	2.64	4.14	3.31	2.74					1.72
9	2.47	3.17	2.95	2.74	4.58	3.33	2.50					1.87
10	2.73	3.05	2.85	2.74	4.35	3.38	2.45					1.82
11	3.00	2.94	2.92	2.74	4.23	3.51	2.41	1.40				1.95
12	3.04	2.86	2.99	2.80	4.14	3.60	2.28 F	1.37				1.95
13	2.99	2.86	3.05	2.85	4.10	3.51	2.20	1.24				2.05
14	3.01	2.80	3.01	2.93	4.03	3.45	2.10	1.16		F	1.55	2.16
15	3.16	2.75	2.94	3.17	4.10	3.40	1.95	1.39				1.90
16	3.22	2.48	2.95	3.15	4.09	3.33		1.44 F	2.00			1.98
17	3.23	2.60	3.20	3.13	3.95	3.25		1.55	1.94			2.05
18	3.25	2.56	3.18	3.20	3.95	3.14		1.68	1.86		F	1.70
19	3.33	2.55	3.02	3.22	3.94	2.98		1.52	1.85		F	1.80
20	3.28	2.65	3.04	3.20	3.90	2.88		1.39	1.21		F	1.95
21	3.30	2.52	2.92	3.10	3.83	2.82		1.35	1.84			1.90
22	3.20	2.74	2.95	3.13	3.84	2.75 F	1.90	1.28 F	1.30			1.89
23	3.22	2.64	2.98	3.31	3.90	2.70	1.86	1.33				1.87
24	3.45	2.63	2.81	3.20	3.97	2.64	1.86	1.30		F	1.53	1.44
25	3.38	2.65	2.75	3.37	4.02	2.67	1.76	1.27		1.90	1.45	2.50
26	3.45	2.61	2.74	3.43	4.02	2.67	1.74	1.26		2.00	1.55	2.49
27	3.45	2.65	2.80	3.70	3.97	2.67	1.61	1.26		2.18	1.65	2.54
28	3.57	2.71	2.83	3.73	3.90		1.51			2.30	1.51	2.49
29	3.70	-----	3.10	3.80	3.80		1.35			2.38	1.62	2.44
30	3.89	-----	2.70	3.83	3.77		1.29		F	1.65	2.38	1.70
31	3.83	-----	2.62	-----	3.75	-----	1.32		-----	2.49	-----	2.47

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.00	2.95	2.92	3.03	3.94	3.18	2.09	1.42	1.71	1.90	1.75	2.10
MAX	3.89	3.69	3.20	3.83	4.58	3.65	2.74	1.70	2.00	2.49	2.59	2.66
MIN	2.05	2.48	2.62	2.48	3.57	2.64	1.29	1.16	1.21	1.01	1.44	1.50
DAYS	31	28	31	30	31	27	25	22	8	15	19	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 298

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.65.

HIGHEST STAGE WAS 4.62 AT 8:15 A.M. ON MAY 9.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.85 ON OCT 6.

## DAILY STAGE FOR 1991

BAYOU BLACK AT GIBSON, LA.

LOCATION. LAT. 29-41-13, LONG. 90-59-29. ABOUT 500 FEET SOUTH U.S. HIGHWAY 90 BRIDGE.  
(STA. 5284010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1935 TO 1942, AND 1946 TO 1965. DAILY, OCT. 1968  
TO DATE.EXTREMES. HIGHEST, 5.50 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985. LOWEST, 0.01 FOOT ON NOV. 20  
AND 21, 1969.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.0	3.5	2.8	2.6	3.6	3.6	2.7	1.2	0.8	1.4	2.4	1.4
2	1.9	3.6	2.8	2.4	3.7	3.1	2.9	1.2	1.0	1.5	1.8	1.5
3	1.8	3.6	2.8	2.4	3.7	3.1	2.9	1.2	1.0	1.5	1.6	1.8
4	1.9	3.4	2.7	2.4	3.7	3.2	2.9	1.2	1.1	1.5	1.5	1.5
5	2.2	3.4	2.8	2.6	3.5	3.2	3.0	1.3	1.6	1.5	1.6	1.4
6	2.3	3.4	2.8	2.6	3.5	2.9	3.1	1.4	1.8	0.7	1.6	1.4
7	2.5	3.4	2.8	2.5	3.6	3.0	3.1	1.4	1.9	0.9	1.6	1.5
8	2.5	3.0	2.8	2.5	4.0	3.0	2.8	1.2	1.9	1.3	1.5	1.4
9	2.4	2.9	2.6	2.5	4.4	3.6	2.6	1.2	1.9	1.4	1.4	1.3
10	2.6	2.9	2.6	2.5	4.6	3.5	2.6	1.2	1.8	1.4	1.3	1.7
11	2.8	2.6	2.7	2.4	4.6	3.4	2.4	1.2	1.8	1.3	1.3	1.7
12	2.8	2.6	2.8	2.4		3.4	2.4	1.2	1.7	1.0	1.3	1.7
13	2.8	2.6	2.6	2.5		3.6	2.3	1.1	1.7	0.9	1.3	1.8
14	2.9	2.5	2.6	2.5		3.6	2.1	1.1	1.5	0.8	1.3	1.9
15	2.9	2.5	2.6	2.9	4.0	3.6	2.1	1.1	1.5	0.9	1.4	1.8
16	3.0	2.4	2.8	3.0	4.0	2.6	1.9	1.2	1.3	1.0	1.4	1.8
17	3.0	2.5	2.8	3.0	4.0	2.5	1.9	1.3	1.3	1.0	1.4	1.8
18	3.0	2.6	2.8	3.2	4.2	2.5	1.8	1.3	1.3	1.2	1.5	1.9
19	3.1	2.6	2.9	2.9	4.0	2.4	1.8	1.2	1.0	0.9	1.7	1.9
20	3.0	2.7	2.8	2.9	3.8	3.0	1.8	1.0	1.0	1.0	2.0	2.0
21	2.9	2.8	2.8	2.8	3.8	2.9	1.8	0.9	1.2	1.0	1.8	2.2
22	3.0	2.8	2.8	2.9	3.9	2.9	1.8	0.9	1.2	1.1	1.8	2.2
23	3.1	2.8	2.8	2.9	4.0	2.7	1.8	0.7	1.2	1.4	1.7	2.2
24	3.2	2.7	2.7	3.0	4.0	2.7	1.8	0.7	1.2	1.7	1.4	2.4
25	3.3	2.6	2.7	3.1	3.9	2.8	1.6	0.7	1.3	1.8	1.3	2.3
26	3.3	2.6	2.7	3.1	3.9	2.8	1.6	0.8	1.2	1.9	1.3	2.2
27	3.4	2.5	2.6	3.2	4.0	2.9	1.4	0.8	1.2	2.0	1.4	2.2
28	3.4	2.4	2.6	3.4	3.9	2.9	1.2	0.9	1.3	2.0	1.4	2.2
29	3.7	-----	2.4	3.4	3.9	2.9	1.2	0.9	1.4	2.1	1.5	2.2
30	3.8	-----	2.4	3.5	4.0	2.6	1.0	0.8	1.4	2.2	1.4	2.2
31	3.8	-----	2.8	-----	3.8	-----	1.1	0.8	-----	2.3	-----	2.2

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.8	2.9	2.7	2.8	3.9	3.0	2.1	1.1	1.4	1.4	1.5	1.9
MAX	3.8	3.6	2.9	3.5	4.6	3.6	3.1	1.4	1.9	2.3	2.4	2.4
MIN	1.8	2.4	2.4	2.4	3.5	2.4	1.0	0.7	0.8	0.7	1.3	1.3
DAYS	31	28	31	30	28	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

THE MEAN STAGE FOR THE YEAR WAS 2.3.

HIGHEST STAGE WAS 4.6 AT 8:00 A.M. ON MAY 10 AND LATER DATE(S).

LOWEST STAGE WAS 0.7 ON AUG 23 AND LATER DATE(S).

## DAILY STAGE FOR 1991

BAYOU BLACK AT GREENWOOD, LA.

LOCATION. LAT. 29-37-14, LONG. 90-54-15. ON U. S. HIGHWAY 90 BRIDGE. (STA. 5288010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1935 TO 1942, AND 1944 TO 1965. DAILY, NOV. 18, 1965 TO DATE.

EXTREMES. HIGHEST, 4.82 FEET (FROM INCOMPLETE RECORD) ON APR. 14, 1980. LOWEST, MINUS 1.22 FEET ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.43	3.55	2.56	2.13	3.25	3.40	2.24		1.54	1.22	2.06	
2	1.54	3.56	2.43	2.07	3.29	3.31	2.18		1.55	1.31	2.02	
3	1.56	3.54	2.39	2.01	3.26	3.24	2.14		1.59	1.39	1.84	1.39
4	1.63	3.46	2.44	1.99	3.24	3.15	2.10		1.59	1.40	1.70	1.17
5	1.59	3.31	2.35	1.98	3.23	3.06	2.09		1.62	1.42		1.09
6	1.55	3.16	2.42	1.97	3.22	3.01	2.26		1.64	0.97		1.13
7	1.64	2.99	2.02	1.98	3.16	2.96	2.31		1.72	0.81		1.13
8	1.82	2.94	1.85		3.55	2.89	2.63		1.83	1.14		1.17
9	1.86	2.99	1.71	2.05	3.94	2.83	2.60		1.75	1.15		1.19
10	1.94	2.83	1.85	2.05	4.20	2.82	2.51		1.73	1.15		1.17
11	2.28	2.79	2.00	2.07	4.12	2.85	2.42		1.70	1.14		1.20
12	2.41	2.64	2.05	2.08	4.01	3.05	2.33	1.23	1.69	1.14		1.23
13	2.52	2.63	2.00	2.09	3.90	3.03	2.23	1.03	1.67	1.05		1.29
14	2.42	2.50	2.31	2.14	3.81	3.08	2.12	0.89	1.64	1.04		1.38
15	2.39	2.41	2.31	2.30	3.77	3.04	2.01	1.01	1.60	1.04		1.28
16	2.46	2.35	2.30	2.34	3.78	3.02		1.09	1.64	0.88		1.25
17	2.48	2.35	2.47	2.44	3.71	2.95		1.13	1.59	0.84		1.28
18	2.44	2.32	2.47	2.54	3.70	2.95		1.24	1.52	0.86		1.33
19	2.50	2.13	2.42	2.59	3.69	2.85		1.11	1.48	0.72		1.34
20	2.61	1.87	2.41	2.63	3.63	2.78		0.99	1.15	0.90		1.39
21	2.59	1.83	2.40	2.60	3.58	2.69		0.90	1.11	0.91		1.52
22	2.56	1.93	2.39	2.58	3.55	2.63		0.84	1.18	1.01		1.58
23	2.55	1.94	2.41	2.59	3.50	2.56		0.82	1.31	1.16		1.65
24	2.68	1.93	2.37	2.56	3.48	2.49		0.85	1.40	1.42		1.70
25	2.81		2.33	2.67	3.55	2.55		0.80	1.40	1.45		1.68
26	2.80	2.03	2.28	2.82	3.75	2.47		0.86	1.14	1.54		1.67
27	2.80	2.18	2.26	2.89	3.74	2.43		1.19	1.08	1.60		1.68
28	2.82	2.21	2.26	2.95	3.68	2.43		1.22	1.09	1.66		1.72
29	3.12	-----	2.30	3.02	3.60	2.37		1.45	1.17	1.78		1.71
30	3.23	-----	2.25	3.25	3.52	2.30		1.41	1.19	1.78		1.70
31	3.44	-----	2.19	-----	3.47	-----		1.45	-----	1.98	-----	1.69

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.34	2.61	2.26	2.39	3.61	2.84	2.28	1.07	1.48	1.22	1.91	1.40
MAX	3.44	3.56	2.56	3.25	4.20	3.40	2.63	1.45	1.83	1.98	2.06	1.72
MIN	1.43	1.83	1.71	1.97	3.16	2.30	2.01	0.80	1.08	0.72	1.70	1.09
DAYS	31	27	31	29	31	30	15	20	30	31	4	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 308  
 THE MEAN STAGE FOR THE YEAR WAS 2.16.  
 HIGHEST STAGE WAS 4.20 AT 5:00 A.M. ON MAY 10.  
 LOWEST STAGE WAS 0.49 ON OCT 16.

## DAILY STAGE FOR 1991

CHATLIN LAKE CANAL AT LA. HWY. 457.

LOCATION. LAT. 31-07-08, LONG. 92-20-40. FOUR MILES NORTHEAST OF LACOMPTE, LA. (STA. 5502015.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. MAR. 24, 1986 TO DATE. FOR RECORDS PRIOR TO 1986, REFER TO (STA. 5502515).

EXTREMES. HIGHEST, 62.24 FEET ON NOV. 17, 1987. LOWEST, 43.03 FEET ON SEP. 6, 1990 AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	45.37	46.72	55.50		F 57.05	49.54		44.38	46.21	44.92	51.93	45.20
2	F 45.03	46.40	58.86			48.34		44.31	45.29		51.01	55.56
3	58.52	46.88	56.59			47.48		44.26	45.11		48.22	59.29
4	56.95	47.49	53.94		59.47	46.90		44.33	45.01		47.39	56.78
5	F 55.04	52.45	51.00		59.82	46.51		44.31	47.10		46.57	53.86
6		52.84	F 49.05		59.44	47.77		44.26	47.69		46.08	51.48
7		50.45			58.14	46.58		44.19	46.31		45.69	48.71
8					58.36	45.68		44.44	45.69		45.83	47.28
9					58.91	45.21		44.74	45.39		46.68	46.72
10	56.42				58.17	45.02		45.35	45.11		45.77	55.84
11	59.24				57.47	46.89		46.08	45.08		45.26	52.75
12	57.41				56.67	48.51		47.86			44.93	48.93
13	55.45				55.90	46.53		48.55			44.72	54.45
14					55.19	46.30		48.73			44.63	61.37
15				F 59.01	55.75	45.45		48.90			44.57	61.24
16					57.49	56.57					44.50	59.85
17	F 51.11				55.57	55.15					44.34	58.24
18	49.44				55.36	F 55.02					44.19	57.45
19	57.05				55.47	55.23					44.16	56.76
20	54.86	52.28			53.69	49.68			44.67		55.44	55.53
21	52.24	51.20	F 45.28	51.86		47.51			44.71		55.38	54.30
22	49.93	56.27	45.23	50.61	F 53.08	46.46			44.75		53.10	53.04
23		53.90	45.13	52.31		48.85		44.73	44.79		49.65	51.91
24	50.72	51.23	44.97	51.04		53.75		44.54	44.83		47.19	51.36
25	52.10	F 49.02	44.90	50.08		56.51	45.31	44.45	44.87		46.03	50.74
26	49.55	47.35	44.89	49.45			44.69	44.43	44.94		45.16	49.09
27	47.40	46.61	44.83	48.61			44.42	44.56	44.99		44.67	48.45
28	46.47	45.90	44.85	49.47			46.22	44.69	45.05		44.41	47.88
29	47.45	-----	51.65	57.57			45.02	44.80	45.07		44.28	47.41
30	48.42	-----	55.05	58.65			44.58	45.01	45.07		44.16	46.92
31	48.15	-----	F 51.99	-----		-----	44.47	46.89	-----	-----	-----	46.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	51.93	49.81	49.63	53.51	56.97	47.82	44.96	45.37	45.35	44.92	46.86	52.73
MAX	59.24	56.27	58.86	59.01	59.82	56.51	46.22	48.90	47.69	44.92	55.44	61.37
MIN	45.03	45.90	44.83	48.61	53.08	44.77	44.42	44.19	44.67	44.92	44.16	45.20
DAYS	23	16	17	16	18	25	7	24	22	1	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 230

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 49.57.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 61.48 AT 10:00 A.M. ON DEC 14.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 44.08 ON NOV 19.

DAILY STAGE FOR 1991  
THREE PRONG LAKE AT BELLEDEAU, LA.

LOCATION. LAT. 31-04-46, LONG. 92-11-02. ON HIGHWAY 114 BRIDGE. (STA. 5515011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1939 TO 1946. DAILY, AUG. 13, 1946 TO MAR. 1, 1973 AND OCT. 25, 1973 TO DATE.

EXTREMES. (FROM 1946 TO DATE) HIGHEST, 56.24 FEET ON MAY 20 AND 21, 1953. LOWEST, 40.72 FEET ON JULY 11, 1965, ALSO (FROM INCOMPLETE RECORD) ON JUNE 13, 1966.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		45.00	44.78	45.36	52.59	48.58	44.18	42.91	42.97	43.32	46.14	43.37
2		44.46	47.93	44.23	52.27	47.95	43.86	42.96	42.98	43.34	46.24	49.64
3		44.05	49.38	43.73	51.90	47.28	43.58	42.96	43.02	43.34	44.90	51.25
4		43.79	49.35	43.56	52.06	46.63	43.34	42.99	43.01	43.35	43.83	51.08
5		49.18	48.17	43.50	52.52	46.23	43.58	43.01	43.09	43.35	43.45	50.76
6		49.99	46.39	43.44	53.29	45.92	44.67	42.96	43.20	43.34	43.34	49.76
7		48.94	45.39	43.37	53.29	46.00	44.53	42.95	43.27	43.34	43.30	48.41
8		47.33	44.85	43.53	53.34	45.64	44.22	42.96	43.11	43.35	43.35	47.13
9		45.77	44.36	43.75	54.06	45.41	44.09	42.95	42.99	43.37	43.38	46.11
10		44.68	43.91	43.60	53.81	45.28	44.57	43.01	42.94	43.36	43.22	47.95
11		44.12	43.56	43.68	53.58	45.17	43.74	43.16	42.92	43.39	43.00	48.26
12		43.76	43.37	50.44	53.37	45.35	43.23	44.83	42.89	43.41	42.83	47.00
13		43.51	43.21	50.51	53.15	45.15	43.07	45.55	42.88	43.44	42.87	46.63
14		43.37	43.20	49.70	52.84	45.71	42.98	45.01	42.89	43.45	42.74	52.82
15		43.24	43.19	51.86	52.68	45.02	42.95	45.08	42.94	43.50	42.72	52.94
16		43.27	43.18	51.91	52.84	44.42	42.97	47.24	43.05	43.46	42.65	52.96
17		43.34	43.96	51.73	52.62	44.14	42.92	46.97	43.07	43.48	42.73	52.94
18		43.31	44.35	51.53	52.82	44.91	42.88	45.28	43.09	43.54	42.95	52.81
19		43.36	43.98	51.49	52.69	48.03	42.74	44.29	43.09	43.60	42.96	52.62
20		46.50	43.64	50.96	52.41	47.33	42.70	43.63	43.12	43.64	49.21	52.36
21		47.82	43.46	49.96	52.21	45.80	42.66	43.21	43.14	43.67	50.13	52.06
22		51.15	43.33	49.27	51.84	44.65	42.63	43.02	43.14	43.68	49.40	51.65
23		50.82	43.25	48.96	51.35	44.11	42.66	43.07	43.18	43.72	47.76	51.02
24		49.84	43.22	48.56	51.12	44.39	42.67	43.13	43.19	43.51	46.00	50.42
25		48.37	43.22	48.14	50.87	47.58	42.68	43.12	43.25	43.38	44.78	49.73
26		46.94	43.25	47.71	50.62	48.66	42.76	43.08	43.25	43.41	43.97	48.96
27		45.85	43.23	47.00	50.21	47.93	42.62	43.11	43.24	43.64	43.53	48.19
28		45.17	43.24	47.67	49.68	48.16	42.84	43.01	43.24	43.78	43.28	47.34
29		-----	43.48	51.36	49.23	46.66	42.90	42.92	43.25	43.83	43.19	46.51
30		-----	45.74	52.69	49.41	45.15	42.91	42.88	43.27	44.46	43.20	45.89
31		-----	46.67	-----	49.09	-----	42.88	42.94	-----	46.38	-----	45.36

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN		45.96	44.59	47.78	52.06	46.11	43.26	43.68	43.09	43.61	44.37	49.48
MAX		51.15	49.38	52.69	54.06	48.66	44.67	47.24	43.27	46.38	50.13	52.96
MIN		43.24	43.18	43.37	49.09	44.11	42.63	42.88	42.88	43.32	42.65	43.37
DAYS	0	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 334

THE MEAN STAGE FOR THE YEAR WAS 45.82.

HIGHEST STAGE WAS 54.07 AT 9:00 A.M. ON MAY 9.

LOWEST STAGE WAS 42.60 ON NOV 15.

DAILY STAGE FOR 1991  
BAYOU DU LAC NEAR HESSMER, LA.

LOCATION. LAT. 31-01-13, LONG. 92-08-54. ON HIGHWAY 115 BRIDGE, 3.6 MILES SOUTHWEST OF HESSMER, LA..  
(STA. 5520011.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1947. DAILY, JAN. 31, 1947 TO DATE.

EXTREMES. HIGHEST, 54.34 FEET ON MAY 21 AND 22, 1953. LOWEST, 37.0 FEET FROM JUNE 15 TO 20, 1948,  
AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	43.28	44.02	43.79	43.26	48.52	46.34	42.88	38.33		38.27	44.65	38.01
2	42.32	43.59	44.45	41.98	48.60	45.94	42.27	38.21		38.47	44.58	44.37
3	44.68	42.67	44.77	40.34	48.58	45.50	41.63	38.10		38.28	43.95	45.39
4	44.91	40.99	45.00	39.53	48.59	45.00	40.73	38.06		38.15	42.76	45.85
5	45.15	44.39	45.02	39.12	48.69	44.58	41.90	38.11		38.28	41.30	45.96
6	45.24	44.45	44.84	39.01	49.07	44.20	43.32	38.12		38.51	39.45	46.08
7	45.31	44.41	44.46	39.00	49.17	43.93	43.17	38.03		38.39	38.45	45.75
8	45.40	44.26	44.06	39.08	49.46	43.48	42.97	38.00		38.26	38.26	45.42
9	45.25	43.93	43.60	41.14	50.20	42.76	42.72	38.09		37.97	38.14	45.05
10	45.80	43.53	42.74	40.87	50.37	41.36	42.39	38.57		37.79	37.99	44.89
11	46.91	42.62	41.09	40.45	50.35	41.04	41.51	40.84		37.67	37.79	44.98
12	47.33	41.02	40.37	44.74	50.26	42.16	40.41	43.63	38.92	37.57	37.70	44.91
13	47.51	39.92	40.31	44.74	50.13	42.06	39.51	43.20	39.00	37.48	37.69	44.61
14	47.64	39.36	40.07	44.96	49.96	41.60	39.25	42.90	39.02	37.41	37.55	46.96
15	47.72	39.07	39.68	46.63	50.02	40.90	39.12	42.49	38.97	37.34	37.31	48.01
16	47.76	38.89	39.30	47.18	49.99	40.20	39.06	43.86	38.89	37.69	37.31	48.16
17	47.56	38.79	39.95	47.44	49.82	39.64	38.97	43.67	38.78	39.36	37.33	48.23
18	47.25	38.78	40.60	47.56	49.90	40.99	38.89	43.07	38.69	40.53	37.80	48.34
19	47.49	38.88	40.20	47.66	49.69	43.69	38.80	42.12	38.60	41.04	38.14	48.40
20	47.61	43.41	39.70	47.63	49.56	43.47	38.68	41.28	38.49	41.29	44.20	48.41
21	47.55	44.45	39.38	47.46	49.53	43.03	38.50	40.21	38.38	41.37	44.68	48.36
22	47.30	45.16	39.25	47.17	49.37	42.51	38.21	39.27	38.31	41.37	44.67	48.29
23	46.81	45.51	39.22	46.95	49.06	41.63	37.91	38.80	38.25	41.36	44.57	48.11
24	46.50	45.63	39.00	46.70	48.77	42.52	37.94	38.60	38.24	41.36	44.47	47.92
25	46.48	45.45	38.87	46.54	48.47	44.05	38.81	38.51	38.40	41.39	44.16	47.73
26	46.24	45.12	38.88	46.34	48.16	43.96	38.84	38.40	38.48	41.45	42.88	47.38
27	45.78	44.69	38.76	46.04	47.79	43.91	38.75	38.35	38.55	41.56	41.02	46.90
28	45.28	44.23	38.71	45.93	47.39	43.94	38.73	38.39	38.60	41.71	39.68	46.35
29	44.81	-----	39.62	47.43	46.97	43.87	38.62	38.44	38.45	42.09	38.86	45.89
30	44.51	-----	43.71	48.27	46.84	43.42	38.51	-----	38.30	42.94	38.14	45.45
31	44.36	-----	43.67	-----	46.66	-----	38.42	-----	-----	44.34	-----	45.04

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	46.06	42.76	41.39	44.37	49.03	43.05	40.05	39.92	38.60	39.70	40.52	46.30
MAX	47.76	45.63	45.02	48.27	50.37	46.34	43.32	43.86	39.02	44.34	44.68	48.41
MIN	42.32	38.78	38.71	39.00	46.66	39.64	37.91	38.00	38.24	37.34	37.31	38.01
DAYS	31	28	31	30	31	30	31	29	19	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352  
THE MEAN STAGE FOR THE YEAR WAS 42.80.  
HIGHEST STAGE WAS 50.37 AT 8:00 A.M. ON MAY 10.  
LOWEST STAGE WAS 37.30 ON NOV 15.

DAILY STAGE FOR 1991  
BAYOU DES GLAISES NEAR COTTONPORT, LA.

LOCATION. LAT. 31-00-28, LONG. 92-03-03. ON HIGHWAY 107 BRIDGE, 1.7 MILES NORTH OF COTTONPORT, LA.  
(STA. 5525011.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. MAR. 15, 1955 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 50.25 FEET ON JAN. 9, 1983. LOWEST, 32.60 FEET ON  
SEP. 4, 1990 AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	41.40	42.41	42.33	41.51	47.23	44.95	41.31		37.11	35.58	41.47	36.96
2	40.56	41.93	42.52	40.17	47.27	44.59	40.03		37.23	35.38	41.77	42.80
3	42.57	41.03	42.99	38.45	47.28	44.17	40.11		36.66	35.21	40.85	43.97
4	43.09	39.28	43.36	37.44	47.26	43.74	39.06		36.20	35.13	39.39	44.60
5	43.52	41.60	43.52	36.88	47.40	43.31	40.31		36.03	35.04	37.44	44.84
6	43.77	42.57	43.37	36.69	47.93	42.96	41.05		37.33	35.47	35.93	44.68
7	43.81	42.75	43.02	36.59	48.02	42.68	40.70		38.19	35.50	35.21	44.56
8	43.82	42.71	42.60	36.60	48.37	42.24	40.01		37.69	35.50	35.10	44.25
9	43.79	42.42	42.08	38.93	49.29	41.44	40.13		36.95	35.37	35.23	43.88
10	44.36	41.95	41.17	38.85	49.63	40.01	40.53		36.83	35.22	34.88	43.73
11	45.55	40.91	39.44	38.45	49.59	39.70	39.60		36.43	35.09	34.66	43.81
12	45.77	39.17	38.51	42.63	49.47	40.39	38.46		36.02	34.98	34.42	43.73
13	46.00	37.97	38.64	43.06	49.32	40.40	37.55		36.11	34.94	34.37	43.47
14	46.13	37.23	38.41	43.48	49.13	39.82	36.99		36.34	34.95	34.27	45.45
15	46.25	36.74	37.92	45.37	49.12	39.16	36.63		36.03	34.94	34.31	46.05
16	46.30	36.44	37.41	45.73	49.18	38.25	36.92		35.70	35.07	34.20	46.49
17	46.14	36.22	37.91	45.99	48.97	37.67	36.91		35.41	33.91	34.31	46.80
18	45.81	36.13	38.59	46.15	49.04	38.49	36.81		35.29	34.27	35.19	47.02
19	46.07	36.30	38.24	46.25	48.85	41.40	36.57		35.82	33.93	35.84	47.27
20	46.12	40.94	37.59	46.26	48.62		35.40		35.95	33.75	41.71	47.36
21	46.06	42.39	37.16	46.09	48.63		35.59		35.90	33.67	42.58	47.37
22	45.79	43.68	36.86	45.77	48.42		35.20		35.43	33.55	42.73	47.29
23	45.36	43.97	36.83	45.54	48.03		34.64	36.96	35.26	33.43	42.70	47.07
24	45.08	44.12	36.57	45.30	47.66		34.33	36.90	35.19	33.47	43.01	46.82
25	44.92	43.99	36.28	45.20	47.25	41.64		36.58	35.28	33.38	42.60	46.57
26	44.72	43.66	36.21	44.95	46.87	42.15		36.17	35.67	33.37	41.55	45.97
27	44.37	43.24	35.92	44.65	46.45	42.25		35.77	35.99	33.40	39.83	45.49
28	43.93	42.83	35.94	44.59	45.99	42.50		35.63	36.20	33.41	38.74	45.00
29	43.45	-----	37.26	46.13	45.56	42.34		35.42	35.63	33.39	37.85	44.55
30	43.00	-----	41.36	47.10	45.39	41.98		35.51	35.62	33.49	37.22	44.10
31	42.77	-----	41.74	-----	45.21	-----		35.85	-----	40.57	-----	43.86

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	44.52	40.88	39.41	42.69	47.95	41.53	38.12	36.09	36.18	34.66	37.98	45.03
MAX	46.30	44.12	43.52	47.10	49.63	44.95	41.31	36.96	38.19	40.57	43.01	47.37
MIN	40.56	36.13	35.92	36.59	45.21	37.67	34.33	35.42	35.19	33.37	34.20	36.96
DAYS	31	28	31	30	31	25	24	9	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 331  
THE MEAN STAGE FOR THE YEAR WAS 40.75.  
HIGHEST STAGE WAS 49.64 AT 6:00 A.M. ON MAY 10.  
LOWEST STAGE WAS 33.36 ON OCT 26.

DAILY STAGE FOR 1991  
COULEE DES GRUES AT MARKSVILLE, LA.

LOCATION. LAT. 31-06-32, LONG. 92-03-49. EAST OF HIGHWAY 1 BRIDGE. (STA. 5555011.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1932, 1937 TO 1942, AND 1944 TO 1946. DAILY, AUG. 14, 1946, TO DATE.

EXTREMES. HIGHEST (FROM INCOMPLETE RECORD) 59.7 FEET ON APR. 25, 1945. LOWEST, 40.0 FEET ON JAN. 2, 1972 AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	44.5	43.6	44.0	42.8	47.9	46.1	43.2	42.1	40.9	40.4	43.5	43.5
2	44.5	43.4	44.1	42.7	47.7	45.8	43.0	42.0	40.9	40.3	43.0	47.0
3	46.8	43.2	45.1	42.6	47.7	45.4	43.0	42.0	40.9	40.3	42.8	46.8
4	46.7	43.1	45.3	42.5	48.3	45.2	42.9	42.0	40.8	40.3	42.5	46.5
5	46.6	46.4	45.0	42.4	47.9	45.1	42.9	42.0	40.8	40.3	42.3	46.3
6	46.2	46.4	44.0	42.3	48.1	45.0	42.8	42.0	40.8	40.3	42.1	45.9
7	45.7	45.7	43.7	42.3	48.0	44.9	42.8	42.0	40.8	40.3	42.0	45.4
8	45.1	45.0	43.2	42.2	48.1	44.8	42.7	42.0	40.7	40.2	41.8	45.0
9	44.8	44.2	43.0	42.2	48.5	44.6	42.7	42.0	40.7	40.2	41.7	46.0
10	47.1	43.1	42.8	42.1	48.3	44.4	42.7	42.0	40.7	40.2	41.7	46.0
11	47.5	43.1	42.6	42.1	48.2	44.3	42.6	41.9	40.7	40.2	41.6	45.5
12	47.3	43.0	42.5	46.6	48.1	44.3	42.6	41.9	40.7	40.2	41.6	46.0
13	47.1	42.9	42.4	46.5	48.0	44.2	42.6	42.2	40.6	40.2	41.6	47.8
14	46.9	42.8	42.4	46.5	48.0	44.1	42.5	42.2	40.6	40.2	41.5	48.0
15	47.0	42.8	42.3	47.8	48.5	44.0	42.5	42.3	40.6	40.1	41.5	47.5
16	46.8	42.7	42.3	47.5	48.1	44.0	42.4	44.0	40.6	40.1	41.5	47.2
17	46.6	42.7	43.1	47.2	48.0	43.9	42.4	43.5	40.6	40.1	41.4	47.2
18	46.9	42.6	43.2	47.6	48.1	43.8	42.3	43.0	40.6	40.1	41.4	47.2
19	47.0	43.0	43.1	47.3	48.0	45.6	42.3	42.9	40.5	40.1	41.4	47.0
20	46.8	44.1	43.0	47.0	47.9	45.1	42.3	42.5	40.5	40.1	46.5	47.0
21	46.4	46.6	43.0	46.8	47.8	44.5	42.3	42.0	40.5	40.1	46.0	47.0
22	46.2	47.3	42.9	46.4	47.7	44.1	42.2	41.8	40.5	40.0	45.5	46.8
23	46.0	47.3	42.9	46.1	47.5	43.8	42.0	41.6	40.5	40.0	45.0	46.6
24	45.7	46.6	42.7	45.8	47.5	44.1	42.2	41.5	40.5	40.0	44.5	46.4
25	45.5	45.8	42.5	45.6	47.2	44.5	42.2	41.3	40.5	40.0	44.2	46.2
26	45.1	44.8	42.4	45.0	47.2	44.8	42.2	41.1	40.4	40.0	44.0	46.0
27	44.6	44.0	42.3	44.6	47.2	45.0	42.1	41.0	40.4	40.0	43.9	45.7
28	44.0	43.5	42.2	46.0	46.8	45.5	42.1	41.0	40.4	41.0	43.8	45.1
29	44.0	-----	43.2	48.7	46.5	45.0	42.1	41.0	40.4	41.2	43.7	44.7
30	44.0	-----	43.0	48.1	46.4	44.0	42.1	40.9	40.4	44.1	43.6	44.1
31	43.8	-----	42.9	-----	46.3	-----	42.1	40.9	-----	43.8	-----	43.0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	45.9	44.3	43.1	45.1	47.7	44.7	42.5	42.0	40.6	40.5	42.9	46.1
MAX	47.5	47.3	45.3	48.7	48.5	46.1	43.2	44.0	40.9	44.1	46.5	48.0
MIN	43.8	42.6	42.2	42.1	46.3	43.8	42.0	40.9	40.4	40.0	41.4	43.0
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 43.8.  
HIGHEST STAGE WAS 48.7 ON APR 29.  
LOWEST STAGE WAS 40.0 ON OCT 22 AND LATER DATE(S).

DAILY STAGE FOR 1991  
BAYOU DES GLAISES (RS) AT HAMBURG, LA.

LOCATION. LAT. 31-01-08, LONG. 91-55-11. GAGING HOUSE ON CROWN OF LEVEE, NEAR HIGHWAY 1 AND WABPL.  
(STA. 5590011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932, 1937, 1945, 1946, 1949, 1950, AND, 1952. DAILY, FEB.  
1971 TO DATE.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 56.41 FEET ON MAY 15, 1973. LOWEST, (FROM INCOMPLETE  
RECORD) 21.70 FEET ON AUG 24, 1991.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	27.54	36.24			E 35.94	31.44	24.60	24.13		23.82	24.56	
2	28.17	35.55			E 36.34	31.13	24.51	24.09		23.91	24.35	
3	29.27	34.81			E 36.54	30.90	24.66	24.07		23.93	24.28	
4	30.69	34.30			E 37.24	30.70	24.79	24.09		23.97	24.34	
5	32.99	33.61			E 37.75	30.49	24.86	24.05		24.07	24.39 F	25.13
6	33.36	32.50			E 37.95	30.30	24.94	24.00		24.08	24.44	25.07
7	33.50	31.14			E 36.80	30.46	24.85	24.65		24.08	24.52	24.93
8	34.12	29.77			E 36.64	30.32		24.05		24.14	24.61	24.83
9	34.58	27.67			35.36	30.29		25.30		24.17	24.67	24.67
10	35.35	26.50			34.90	30.02		25.26		24.19	24.69	24.60
11	36.20	25.82			E 34.60	29.69 F	25.09	25.25		24.24	24.69	25.90
12	36.20	25.87			E 34.59	29.42	24.98	24.35		24.24	24.67	27.34
13	36.61	26.05			E 34.70	28.94	24.87	24.60		24.24	24.25	27.75
14	36.84	25.80			E 35.20	28.40	24.78	24.69		24.29	24.32	28.57
15	37.30	25.75			E 35.31	27.84	24.69 F	23.87		24.29	24.44	29.01
16	37.24	25.70			34.40	27.20	24.61	22.50 F	23.62	24.29	24.53	29.27
17	37.57	25.95			34.09	26.29	24.50	23.45	23.60	24.29	24.60	29.49
18	37.84	26.60			34.18	25.62	24.45	23.85	23.58	24.27	24.75	29.40
19	37.85	27.24			33.70	25.58	24.42 E	24.00	23.54	24.27	24.76	29.30
20	38.25	26.39			33.75	25.50	24.38 E	23.30	23.52	24.29	24.84	29.61
21	38.57		F 27.95		33.80	25.19	24.34 E	22.95	23.52	24.00	24.82	29.59
22	38.71		27.80		33.35	25.03	24.30 E	21.95	23.52	23.83	24.76	29.41
23	38.84		27.40		33.21	24.95	24.27	23.00	23.53	23.78	24.76	29.31
24	38.91		26.90		33.05	24.91	24.24	22.60	23.52	24.00	24.68	29.03
25	38.99			F 34.22	33.00	24.93	24.22	22.80	23.72	23.83	24.65	29.04
26	39.00				34.55	32.80	24.21	23.82	23.72	23.85	24.67	29.35
27	39.02			E 34.30	32.45	24.78	24.20	23.77	23.69	24.25	24.70	28.64
28	38.86			E 34.44	31.94	24.74	24.20	24.50	23.66	24.35	24.77	27.99
29	38.54	-----		E 35.41	31.66	24.68	24.19	24.55	23.72	24.30	24.82	27.86
30	38.00	-----		E 35.95	31.70	24.64	24.18		23.77	24.90		27.56
31	37.14	-----		-----	31.78	-----	24.18		-----	24.55	-----	26.79

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	36.00	29.16	27.51	34.81	34.47	27.64	24.52	23.91	23.62	24.15	24.60	27.76
MAX	39.02	36.24	27.95	35.95	37.95	31.44	25.09	25.30	23.77	24.90	24.84	29.61
MIN	27.54	25.70	26.90	34.22	31.66	24.64	24.18	21.95	23.52	23.78	24.25	24.60
DAYS	31	20	4	6	31	30	28	29	15	31	29	27

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 281

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 27.97.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 39.15 AT 6:45 P.M. ON JAN 26.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 21.70 ON AUG 24.

## DAILY STAGE FOR 1991

WABPL BORROW PIT (LS) AT BAYOU ROUGE (LA.)

LOCATION. LAT. 30-45-20, LONG. 91-54-40. ON CONCRETE BRIDGE NEAR JUNCTION WITH BAYOU ROUGE, 2.7 MILES NORTH OF PALMETTO, LA. (STA. 5805012A.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. FEB. 13, 1937 TO 1979, AND OCT. 8, 1981 TO DATE.

EXTREMES. HIGHEST, 33.2 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 9.8 FEET ON OCT. 15 AND 16, 1950.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.46	19.28	18.56	18.21	25.32	19.81	18.19	17.38	17.21	15.98	17.53 F	14.94
2	16.97	18.94	18.45	18.11	23.84	19.24	17.76	17.37	17.47	15.20	17.25	18.47
3	20.89	18.68	18.73	17.89 F	22.64	18.89	18.27	17.36	17.51	15.38	16.59	23.04
4	20.89	18.41	18.69	17.69		18.55	17.76	17.35	17.54	15.89	16.03	
5	19.17	18.40	18.60	17.47		18.27	17.46	17.32	17.67	16.08	15.84	
6	18.42	19.76	18.50	17.33 F	22.58	18.17	18.53	17.39	17.67	16.00	15.26	
7	18.41	19.14	18.27	17.10	22.10	18.14	18.29	17.42	17.83	15.94	16.24	
8	18.27	18.80	18.33	16.86	21.95	17.96	18.29	17.42	17.88	15.87	16.06	
9	18.02	18.56	18.15	17.32	25.00	17.69	18.50	17.40	17.77	15.86	15.71 F	17.70
10	19.86	18.29	17.95	17.70	25.50	17.39	18.57	17.38	17.60	15.87	15.36	17.40
11	24.64	17.96	17.67	18.28	24.85	17.65	17.78	17.45	17.46	15.93	14.95	17.20
12	24.13	17.56	17.72	20.00	23.64	18.26	17.93	17.57	17.24	15.95	15.44	17.13
13	22.69	17.24	17.64	20.89	22.49	18.14	17.76	17.80	17.40	15.94	15.75	17.00
14	21.15	16.85	17.56	19.86	21.83	17.75	17.60	17.84	17.40	15.92	15.92	
15	20.30	16.53	17.47	23.70	21.55	17.80	17.47	17.83	17.40	15.87	16.01	
16	20.28	16.80	17.36	23.96	22.35	17.70	17.44	18.01	17.38	15.87	16.03	
17	19.97	16.97	17.46	22.32	21.90	17.60	17.40	18.09	17.33	15.80	16.03	
18	19.70	17.01	17.89		21.54	18.19	17.31	17.96	17.25	15.70	16.03	
19	21.02	16.94	17.83		21.46	18.33	17.18	17.82	17.08	15.57	15.31	
20	21.22	17.69	17.65		21.07	17.95	17.05	17.67	17.14	15.46	15.32	
21	20.23	19.63	17.47		21.58	18.20	17.35	17.66	17.30	15.37	17.83	
22	19.82	24.30	17.40		21.70	18.20	17.40	17.62	17.37	15.53	19.35	
23	19.57	23.77	17.20		21.13	18.08	17.39	17.53	17.39	15.56	18.60	
24	19.83	22.14	16.96		21.11	17.72	17.35	17.46	17.51	15.73 F	17.49 F	19.58
25	20.69	20.67	17.25		20.89	18.54	17.30	17.40	17.49	15.74	16.47	19.38
26	20.00	19.54	17.40		21.84	17.46	17.26	17.34	17.34	15.71	16.03	19.09
27	19.54	19.09	17.46		21.14 F	18.93	17.25	17.28	17.26	15.84	16.32	18.81
28	19.32	18.75	17.39		20.25	18.69	17.26	17.17	17.16	15.56	16.46	18.57
29	19.14	-----	17.46	22.90	19.77	19.25	17.18	17.24	17.02	15.01	16.37	18.28
30	20.30	-----	18.15	25.94	20.15	18.57	17.33	17.34	16.86	15.98	15.16	17.90
31	19.92	-----	18.23	-----	20.27	-----	17.37	17.46	-----	18.34	-----	17.53

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.06	18.85	17.83	19.66	22.12	18.24	17.64	17.53	17.40	15.82	16.29	18.25
MAX	24.64	24.30	18.73	25.94	25.50	19.81	18.57	18.09	17.88	18.34	19.35	23.04
MIN	16.97	16.53	16.96	16.86	19.77	17.39	17.05	17.17	16.86	15.01	14.95	14.94
DAYS	31	28	31	19	29	30	31	31	30	31	30	16

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 337

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 18.24.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 25.94 AT 8:00 A.M. ON APR 30.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 14.91 ON NOV 11.

DAILY STAGE FOR 1991  
BIG DARBONNE BAYOU (LS) AT COURTABLEAU, LA.

LOCATION. LAT. 30-33-05, LONG. 91-51-55. ON WEST SIDE OF LEVEE AT DARBONNE BAYOU CONTROL STRUCTURE. (STA. 5815012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1931 TO 1934, 1941 TO 1958, AND 1961 TO 1966. DAILY, MAY 1966 TO DATE.

EXTREMES. HIGHEST, 25.6 FEET ON MAY 23, 1953. LOWEST, (FROM INCOMPLETE RECORD) 10.5 FEET ON SEP. 15, 1954.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 17.55	19.00	18.20 G	18.40	19.80	18.70 G	18.30 G	17.90 G	17.65 G	16.50	16.80 G	15.40
2	G 17.05	18.90	18.15 G	18.35	19.75	18.60 G	18.00 G	17.85 G	17.80 G	15.50	16.90 G	17.30
3	G 19.15	18.70	18.10 G	18.25	19.40	18.50 G	18.40 G	17.85 G	17.90 G	15.60	16.50 G	18.70
4	18.80	18.55	18.20 G	18.15	19.20	18.40 G	17.90 G	17.75 G	17.90 G	16.30	16.20 G	18.80
5	18.25 G	18.55	18.25 G	17.90	19.30	18.00 G	17.70 G	17.70 G	18.10 G	16.40	16.25	18.60
6	17.85 G	19.20	18.20 G	17.80	19.35 G	18.10 G	18.40 G	17.80 G	18.10 G	16.45	15.60	18.10
7	18.00	18.80	17.90 G	17.70	19.30 G	18.00 G	18.30 G	17.85 G	18.20 G	16.40	16.70	18.00
8	17.90	18.70 G	18.20 G	17.50	19.40 G	17.95 G	18.25 G	17.80 G	18.20 G	16.40	16.75	17.90
9	17.70	18.40 G	18.00 G	17.70	20.00 G	17.75 G	18.30 G	17.80 G	18.15 G	16.45	16.30	17.70
10	18.20	18.20 G	17.90 G	18.00	20.20 G	17.60 G	18.35 G	17.85 G	18.10 G	16.45	15.70	16.90
11	19.80	18.00 G	17.80 G	18.20	20.30 G	18.00 G	17.90 G	17.90 G	18.00 G	16.40	15.60	16.70
12	19.70	17.80 G	18.00 G	18.15	20.20 G	18.30 G	18.35 G	17.90 G	17.80 G	16.40	15.55	16.60
13	19.60	17.55 G	17.95 G	18.85	19.90 G	18.35 G	18.20 G	18.00 G	17.80 G	16.30	16.20	16.40
14	19.20 G	17.25 G	17.90 G	18.90	19.70 G	18.00 G	18.10 G	18.10 G	17.70 G	16.35	16.40	19.10
15	19.00 G	17.00 G	17.85 G	19.50	19.60 G	18.10 G	17.95 G	18.10 G	17.65 G	16.35	16.50	19.40
16	19.00 G	17.30 G	17.80	18.80	19.80 G	18.20 G	17.90 G	18.15 G	17.75 G	16.25	16.50	19.30
17	18.95 G	17.40 G	17.75	18.60	19.65 G	18.10 G	17.90 G	18.20 G	17.70 G	16.25	16.50	19.00
18	18.90 G	17.50 G	18.10	18.40	19.60 G	18.50 G	17.80 G	18.20 G	17.65 G	16.15	16.60	18.70
19	19.20 G	17.40 G	18.15	18.30	19.50 G	18.30 G	17.70 G	18.10 G	17.60 G	16.05	15.80	18.50
20	19.30 G	17.80 G	18.00	18.25	19.40 G	18.10 G	17.65 G	18.00 G	17.55 G	15.95	15.70	18.40
21	19.20 G	18.20 G	17.90	18.20	19.45 G	18.20 G	17.80 G	18.00 G	17.70 G	15.90	18.10	18.30
22	19.00	19.25 G	17.80	18.10	19.40 G	18.20 G	17.90 G	18.00 G	17.80 G	15.95	16.50	18.20
23	18.95	19.40 G	17.75	18.30	19.35 G	18.15 G	17.80 G	17.90 G	17.75 G	16.00	17.60	18.30
24	19.10	19.10 G	17.60	18.25	19.40 G	18.00 G	17.80 G	17.85 G	17.95 G	16.15	17.70	18.20
25	19.20	19.00 G	17.70	18.30	19.30 G	18.60 G	17.70 G	17.80 G	17.90 G	16.15	16.40	18.10
26	19.10	18.65 G	17.85	18.40	19.25 G	17.40 G	17.70 G	17.80 G	17.85 G	16.20	16.00	18.00
27	19.00	18.50 G	17.90	18.45	19.20 G	19.00 G	17.75 G	17.75 G	17.75 G	16.25	16.60	17.90
28	18.95	18.30 G	17.85	18.50	19.00 G	18.00 G	17.70 G	17.70 G	17.55 G	16.15 G	16.90	17.80
29	18.90	----- G	17.95	18.65	18.90 G	18.70 G	17.65 G	17.70 G	17.45 G	15.65 G	16.80	17.75
30	19.30	----- G	18.00	19.20	18.90 G	18.50 G	17.70 G	17.75 G	17.40 G	15.95 G	15.50	17.40
31	19.35	----- G	18.35	-----	18.90	----- G	17.85 G	17.80	-----	18.40	-----	17.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.81	18.30	17.97	18.33	19.50	18.21	17.96	17.90	17.81	16.25	16.44	17.95
MAX	19.80	19.40	18.35	19.50	20.30	19.00	18.40	18.20	18.20	18.40	18.10	19.40
MIN	17.05	17.00	17.60	17.50	18.90	17.40	17.65	17.70	17.40	15.50	15.50	15.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 17.95.

HIGHEST STAGE WAS 20.30 ON MAY 11.

LOWEST STAGE WAS 15.40 ON DEC 1.

DAILY STAGE FOR 1991  
BAYOU COURTABLEAU AT WASHINGTON, LA.

LOCATION. LAT. 30-37-05, LONG. 92-03-20. ON STATE HIGHWAY 10 BRIDGE, SIX MILES NORTH OF OPELOUSAS, LA. (STA. 5820012A.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE JULY 1946.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1939 TO 1946. DAILY, JULY 1946 TO DATE. DISCHARGE, DAILY, COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 35.29 FEET ON MAY 22, 1953. LOWEST, 10.72 FEET ON OCT. 18, 1956.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.61	23.60	23.45	20.47	26.43	24.79	20.94	18.32	18.44	16.80	21.68	16.19
2	18.59	22.41	23.11	20.09	26.57	24.05	19.89	18.30	18.61	16.18	21.62	20.99
3	23.26	21.09	23.16	19.69	26.57	22.92	19.95	18.28	18.64	16.34	20.35	24.61
4	24.23	20.29	23.00	19.23	26.68	21.53	19.42	18.25	18.78	16.79	18.92	25.35
5	24.27	21.99	22.60	18.78	26.88	20.35	19.50	18.23	19.02	16.94	17.80	25.41
6	24.02	24.09	21.90	18.41	26.79	19.95	21.00	18.39	19.15	16.86	16.96	25.05
7	23.95	24.17	20.96	18.11	26.57	20.19	20.85	18.36	19.48	16.79	17.37	24.41
8	23.54	23.56	20.20	17.98	26.95	19.68	20.71	18.34	19.88	16.74	17.24	23.47
9	22.99	22.39	19.66	18.54	28.16	19.27	21.32	18.30	19.59	16.75	16.82	22.04
10	24.81	20.94	19.26	18.85	28.63	19.08	21.82	18.34	19.15	16.80	16.40	21.00
11	27.03	19.89	19.01	18.94	28.75	19.38	20.90	18.48	18.73	16.84	16.10	20.79
12	27.55	19.32	18.97	20.33	28.68	20.09	20.19	18.55	18.44	16.85	16.45	20.34
13	27.61	18.93	18.80	22.08	28.52	20.05	19.64	18.75	18.44	16.82	16.75	20.79
14	27.41	18.55	18.65	22.83	28.33	19.58	19.27	18.88	18.41	16.79	16.90	25.35
15	27.18	18.25	18.52	25.40	28.43	19.48	19.02	18.99	18.37	16.76	16.97	26.54
16	26.95	18.34	18.39	25.77	28.49	19.38	18.92	19.20	18.30	16.74	16.98	26.96
17	26.71	18.36	18.70	25.95	28.42	19.41	18.79	19.27	18.25	16.69	16.96	26.97
18	26.49	18.29	19.14	25.92	28.45	21.08	18.60	19.08	18.14	16.60	16.87	26.86
19	26.59	18.35	19.07	25.79	28.36	21.17	18.48	18.89	18.03	16.48	16.26	26.71
20	26.55	20.01	18.80	25.53	28.23	20.44	18.42	18.73	18.07	16.36	17.79	26.59
21	26.46	22.77	18.61	25.19	28.10	20.04	18.60	18.73	18.21	16.33	20.65	26.46
22	26.19	25.25	18.44	24.81	27.88	19.82	18.57	18.67	18.27	16.55	20.08	26.29
23	25.76	26.18	18.25	24.25	27.62	19.69	18.50	18.55	18.28	16.71	19.72	26.06
24	25.68	26.41	18.08	23.57	27.56	20.00	18.41	18.46	18.40	16.70	19.08	25.73
25	25.57	26.22	18.30	22.97	27.31	22.46	18.33	18.38	18.34	16.67	17.80	25.25
26	25.24	25.78	18.39	22.62	27.02	22.39	18.26	18.30	18.22	16.67	17.16	24.65
27	24.78	25.17	18.39	22.45	26.66	23.00	18.24	18.22	18.16	16.84	17.44	24.01
28	24.04	24.41	18.31	22.22	26.25	23.05	18.22	18.12	18.02	16.54	17.58	23.21
29	23.33	-----	18.80	24.47	25.93	22.99	18.18	18.20	17.86	16.16	17.30	22.10
30	24.39	-----	20.17	25.95	25.79	22.10	18.28	18.39	17.59	18.28	16.30	20.85
31	24.23	-----	20.65	-----	25.38	-----	18.31	18.43	-----	21.19	-----	19.76

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	24.97	21.96	19.73	22.24	27.43	20.91	19.34	18.53	18.51	16.86	17.88	23.90
MAX	27.61	26.41	23.45	25.95	28.75	24.79	21.82	19.27	19.88	21.19	21.68	26.97
MIN	18.59	18.25	18.08	17.98	25.38	19.08	18.18	18.12	17.59	16.16	16.10	16.19
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 21.03.  
HIGHEST STAGE WAS 28.77 AT 7:30 A.M. ON MAY 11.  
LOWEST STAGE WAS 15.95 ON OCT 29.

DAILY STAGE FOR 1991  
BAYOU LAKE NEAR LEBEAU, LA.

LOCATION. LAT. 30-42-05, LONG. 92-00-49. ON STATE HIGHWAY 10 BRIDGE, 3.1 MILES SOUTHWEST OF LEBEAU.  
(STA. 5824012A.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. DRAINAGE AREA, 95 SQUARE MILES.

RECORDS AVAILABLE. STAGE, MAY 1969 TO DATE. DISCHARGE, 1969 TO 1972, 1979, AND 1983.

EXTREMES. HIGHEST, 31.64 FEET (CAUSED BY HURRICANE) ON NOV. 02, 1985. LOWEST, 15.97 FEET ON SEP.  
28, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.15	24.80	26.56	18.87	28.10	26.34	24.15				23.62	
2	17.78	22.10	26.24	18.46	27.95	25.30	19.92				23.10	21.80
3	23.80	20.21	25.66	18.21	27.84	22.75	19.12		18.15		20.29	26.36
4	24.62	19.31	24.82	17.98	27.70	21.01	19.14		18.39		18.49	26.56
5	24.61	21.50	21.44	17.84	27.57	20.46	19.74 F	17.48 F	18.16			26.28
6	24.48	24.60	20.22	17.80	27.44	20.49	22.81		F 18.15			25.75
7	24.65	24.72	19.22	18.52	27.24	20.11	21.44		18.30			24.91
8	24.04	24.41	19.12	18.10	27.49	19.07	21.00		19.74			23.39
9	22.36	23.14	18.66	18.29	28.53	18.70	20.61		18.74			20.70
10	24.67	20.10	18.34	17.84	29.04	18.69	22.27		18.15			19.67
11	28.03	19.06	18.21	19.08	29.10	18.58	20.55		18.15			19.29
12	28.36	18.87	18.19	19.85	28.97	18.81	19.18			F 16.84		19.02
13	28.32	18.52	17.99	22.05	28.86	18.67	18.71					18.72
14	28.19	18.20	18.54	22.03	28.80	18.55	18.64					27.64
15	28.07	18.09	18.17	26.85	28.80	18.43	18.57			F 16.60		28.17
16	27.85	18.06	17.82	27.21	28.81	18.41	18.49 F	18.15 F	17.22			28.15
17	27.66	17.90	18.89	26.87	28.70	18.38	18.43	18.34				28.04
18	27.41	17.76	20.21	26.72	28.93	24.75	18.38 F	18.16				27.89
19	27.45	17.75	19.44	27.12	28.90	24.97	18.30 F	17.69				27.74
20	27.29	21.72	18.66	26.86	28.77	22.86				F 18.10		27.54
21	26.98	24.98	18.20	26.30	28.67	19.87		F 18.16			20.74	27.27
22	26.58	27.17	17.91	25.24	28.55	21.58 F	17.43	F 18.15			19.48	26.84
23	26.00	27.46	17.80	22.29	28.34	22.06		F 18.15			18.10	26.21
24	25.44	27.44	17.79	20.43	28.40	20.82		F 18.16				25.14
25	25.48	27.35	17.79	20.34	28.20	22.12						22.69
26	24.97	27.24	17.78	22.43	27.94	22.28				F 17.12		21.04
27	23.60	27.07	17.78	23.12	27.61	27.42						20.64
28	21.82	26.86	17.78	23.53	27.14	27.39				F 17.27		20.32
29	20.93	-----	18.19	26.30	26.60	27.52						19.38
30	25.40	-----	21.18	27.99	26.67	27.04			F 16.68	18.05		18.70
31	25.94	-----	19.89	-----	26.76	-----			-----	23.35	-----	18.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	25.19	22.37	19.63	22.15	28.14	21.78	19.84	18.04	18.17	18.82	19.59	23.80
MAX	28.36	27.46	26.56	27.99	29.10	27.52	24.15	18.34	19.74	23.35	23.62	28.17
MIN	17.78	17.75	17.78	17.80	26.60	18.38	17.43	17.48	16.68	16.60	16.84	18.20
DAYS	31	28	31	30	31	30	20	8	11	4	10	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 264

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 22.47.

HIGHEST STAGE WAS 29.10 AT 6:00 A.M ON MAY 11.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1991  
BAYOU COURTABLEAU AT COURTABLEAU, LA.

LOCATION. LAT. 30-32-44. LONG. 91-52-28. ON U. S. HIGHWAY 190 BRIDGE. (STA. 5835012E.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1946. DAILY, SEP. 1, 1946 TO DATE.

EXTREMES. HIGHEST, 24.8 FEET ON MAY 25, 1953. LOWEST, 10.55 FEET ON SEP. 15, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.57	18.94	18.20	18.38	19.34	18.69	18.27	17.84	17.62	16.34	16.82	15.33
2	17.06	18.80	18.18	18.30	19.28	18.52	17.90	17.82	17.92	15.58	16.89	17.70
3	19.00	18.66	18.20	18.19	19.13	18.37	18.40	17.80	17.92	15.79	16.50	18.48
4	18.69	18.51	18.20	18.05	19.05	18.18	17.92	17.80	17.99	16.29	16.12	18.50
5	18.20	18.60	18.12	17.89	19.11	17.98	17.64	17.78	18.12	16.47	16.10	18.21
6	17.95	19.11	18.04	17.70	19.14	18.02	18.46	17.84	18.12	16.40	15.58	18.07
7	18.08	18.73	17.91	17.43	19.12	18.03	18.30	17.85	18.24	16.33	16.62	17.89
8	17.87	18.62	18.11	17.21	19.26	17.91	18.28	17.85	18.30	16.30	16.52	17.68
9	17.65	18.41	18.00	17.69	19.73	17.72	18.39	17.80	18.20	16.28	16.13	17.28
10	18.31	18.19	17.89	18.02	19.92	17.50	18.34	17.80	18.08	16.30	15.79	16.82
11	19.37	17.96	17.77	18.20	19.90	18.04	17.90	17.90	17.93	16.35	15.39	16.67
12	19.39	17.72	17.93	18.29	19.79	18.32	18.28	17.95	17.70	16.37	15.86	16.53
13	19.23	17.47	17.90	18.88	19.60	18.30	18.14	18.02	17.90	16.35	16.20	16.39
14	19.08	17.19	17.84	18.85	19.49	18.00	18.02	18.09	17.89	16.34	16.38	18.71
15	18.93	16.94	17.78	19.60	19.51	18.17	17.94	18.10	17.87	16.30	16.42	18.92
16	18.92	17.29	17.68	19.02	19.57	18.11	17.89	18.15	17.83	16.25	16.47	18.91
17	18.90	17.40	17.75	18.85	19.48	18.08	17.84	18.18	17.80	16.20	16.43	18.77
18	18.87	17.42	18.09	18.60	19.42	18.40	17.73	18.10	17.72	16.13	16.47	18.59
19	19.04	17.36	18.10	18.45	19.37	18.28	17.60	18.07	17.63	16.00	15.74	18.49
20	19.08	17.89	17.98	18.39	19.30	18.04	17.48	17.97	17.69	15.90	15.75	18.41
21	19.01	18.15	17.85	18.32	19.30	18.19	17.83	18.00	17.81	15.80	18.14	18.38
22	18.95	18.90	17.73	18.31	19.28	18.17	17.88	18.00	17.90	15.99	16.40	18.32
23	18.90	19.02	17.60	18.28	19.18	18.12	17.84	17.93	17.91	16.01	17.55	18.31
24	18.99	18.90	17.37	18.20	19.25	18.00	17.80	17.89	17.94	16.19	17.65	18.30
25	19.08	18.80	17.70	18.19	19.17	18.50	17.76	17.82	17.90	16.18	16.30	18.19
26	19.00	18.52	17.80	18.29	19.15	17.40	17.70	17.79	17.71	16.14	15.99	18.03
27	18.93	18.40	17.81	18.30	19.07	18.60	17.70	17.70	17.67	16.29	16.60	17.90
28	18.89	18.30	17.80	18.28	18.92	18.30	17.70	17.60	17.57	16.00	16.81	17.79
29	18.84	-----	17.90	18.89	18.85	18.67	17.63	17.69	17.40	15.40	16.77	17.52
30	19.15	-----	18.34	19.31	18.81	18.50	17.79	17.79	17.26	16.29	15.45	17.21
31	19.07	-----	18.39	-----	18.84	-----	17.83	17.82	-----	18.50	-----	16.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.71	18.22	17.93	18.35	19.30	18.17	17.94	17.89	17.85	16.23	16.39	17.85
MAX	19.39	19.11	18.39	19.60	19.92	18.69	18.46	18.18	18.30	18.50	18.14	18.92
MIN	17.06	16.94	17.37	17.21	18.81	17.40	17.48	17.60	17.26	15.40	15.39	15.33
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 17.90.  
HIGHEST STAGE WAS 19.95 AT 11:00 A.M. ON MAY 10.  
LOWEST STAGE WAS 15.25 ON NOV 30.

## DAILY STAGE FOR 1991

## BAYOU COURTABLEAU ABOVE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-31-58, LONG. 91-51-30. ON RIGHT BANK OF INLET CHANNEL, 500 FEET ABOVE DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 5840012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. MAR. 18, 1957 TO DATE.

EXTREMES. HIGHEST, 20.60 FEET ON FEB. 7, 1974. LOWEST, 10.30 FEET ON OCT. 28, 1974.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.50	18.90	18.10	18.35	19.10	18.50	18.20	17.85	17.65	16.40	16.60	15.30
2	17.00	18.80	18.00	18.30	19.05	18.40	17.90	17.80	17.80	15.40	16.70	17.20
3	19.10	18.70	17.95	18.20	18.90	18.30	18.40	17.80	17.90	15.50	16.40	18.10
4	18.75	18.50	18.10	18.10	18.85	18.10	17.80	17.75	17.90	16.20	16.10	18.20
5	18.20	18.50	18.15	17.85	18.90	17.90	17.60	17.70	18.10	16.30	16.50	18.00
6	17.80	19.00	18.10	17.70	18.95	18.00	18.40	17.80	18.10	16.35	15.50	17.80
7	17.90	18.60	17.85	17.50	18.90	17.95	18.25	17.85	18.20	16.30	16.60	17.70
8	17.80	18.50	18.10	17.20	19.00	17.90	18.20	17.80	18.20	16.30	16.65	17.50
9	17.60	18.30	17.90	17.65	19.40	17.70	18.35	17.80	18.15	16.35	16.20	17.30
10	18.10	18.10	17.80	17.90	19.50	17.50	18.40	17.85	18.10	16.35	15.60	16.70
11	19.70	17.90	17.70	18.15	19.60	18.00	17.80	17.90	18.00	16.30	15.50	16.50
12	19.00	17.70	17.90	18.10	19.50	18.20	18.30	17.90	18.00	16.30	15.45	16.45
13	18.90	17.45	17.85	18.80	19.40	18.30	18.10	18.00	17.80	16.25	16.10	16.30
14	18.70	17.25	17.80	18.85	19.30	17.95	18.00	18.10	17.70	16.30	16.30	18.40
15	18.80	16.90	17.75	19.40	19.20	18.10	17.85	18.10	17.65	16.30	16.40	18.60
16	18.70	17.25	17.70	18.70	19.30	18.20	17.80	18.15	17.75	16.20	16.40	18.50
17	18.65	17.35	17.65	18.50	19.25	18.10	17.80	18.20	17.70	16.20	16.40	18.45
18	18.60	17.40	18.00	18.30	19.20	18.40	17.70	18.15	17.65	16.10	16.50	18.30
19	18.90	17.30	18.05	18.20	19.10	18.20	17.60	18.10	17.60	16.00	15.70	18.25
20	18.95	17.70	17.90	18.15	19.05	18.00	17.70	18.00	17.55	15.90	15.60	18.20
21	18.85	18.00	17.80	18.10	19.10	18.10	17.80	18.00	17.65	15.85	18.00	18.15
22	18.80	18.60	17.70	18.05	19.05	18.10	17.90	18.00	17.75	15.90	16.40	18.10
23	18.75	18.70	17.50	18.10	19.00	18.05	17.80	17.90	17.70	15.95	17.50	18.15
24	18.90	18.60	17.35	18.05	19.05	17.90	17.80	17.85	17.90	16.10	17.60	18.10
25	19.00	18.50	17.45	18.10	19.00	18.50	17.70	17.80	17.85	16.10	16.30	18.00
26	18.90	18.35	17.75	18.20	18.95	17.20	17.70	17.80	17.80	16.15	15.90	17.90
27	18.85	18.25	17.80	18.25	18.90	18.85	17.75	17.75	17.70	16.20	16.50	17.75
28	18.80	18.20	17.75	18.30	18.80	17.60	17.70	17.70	17.50	16.10	16.80	17.60
29	18.75	-----	17.85	18.40	18.70	18.60	17.65	17.70	17.35	15.60	16.70	17.55
30	19.00	-----	17.90	19.00	18.70	18.40	17.70	17.75	17.30	15.90	15.40	17.20
31	19.10	-----	18.30	-----	18.70	-----	17.80	17.80	-----	18.35	-----	16.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.59	18.12	17.85	18.21	19.08	18.10	17.92	17.89	17.79	16.18	16.33	17.65
MAX	19.70	19.00	18.30	19.40	19.60	18.85	18.40	18.20	18.20	18.35	18.00	18.60
MIN	17.00	16.90	17.35	17.20	18.70	17.20	17.60	17.70	17.30	15.40	15.40	15.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 336  
 THE MEAN STAGE FOR THE YEAR WAS 17.86.  
 HIGHEST STAGE WAS 19.70 ON JAN 11.  
 LOWEST STAGE WAS 15.30 ON DEC 1.

DAILY GATE-OPENINGS FOR 1991  
BAYOU COURTABLEAU DRAINAGE STRUCTURE

PHYSICAL DATA. DRAINAGE STRUCTURE CONSISTS OF FIVE GATES, EACH TEN FEET WIDE. ALL GATES ARE OPEN THE SAME AMOUNT UNLESS OTHERWISE NOTED.

DAILY SEVEN A.M. GATE OPENINGS IN FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3	15	15	0	15	15	4	0	0	0	15	0
2	3	15	15	0	15	15	4	0	0	0	15	0
3	3	15	15	0	15	15	0	0	0	0	15	15
4	9	15	15	0	15	15	3	0	0	0	15	15
5	12	0	15	0	15	15	3	0	0	0	5	15
6	12	0	15	0	15	7	0	0	0	0	5	15
7	12	15	15	0	15	7	3	0	0	0	0	15
8	12	15	5	0	15	7	3	0	0	0	0	15
9	12	15	5	0	15	7	3	0	0	0	8	15
10	12	15	5	0	15	7	3	0	0	0	0	15
11	15	15	5	0	15	0	6	0	0	0	0	15
12	15	15	0	A 9	15	0	0	0	0	0	0	15
13	15	15	0	0	15	0	0	0	0	0	0	15
14	15	15	0	0	15	3	0	0	0	0	0	15
15	15	15	0	0	15	0	0	0	0	0	0	15
16	15	0	0	B 15	15	0	0	0	0	0	0	15
17	15	0	0	B 15	15	0	0	0	0	0	0	15
18	15	0	0	B 15	15	0	0	0	0	0	0	15
19	15	0	0	15	15	5	0	0	0	0	0	15
20	15	5	0	15	15	5	0	0	0	0	0	15
21	15	15	0	15	15	2	0	0	0	0	0	15
22	15	15	0	15	15	2	0	0	0	0	15	15
23	15	15	0	15	15	2	0	0	0	0	3	15
24	15	15	0	15	15	2	0	0	0	0	3	15
25	15	15	0	15	15	2	0	0	0	0	7	15
26	15	15	0	15	15	15	0	0	0	0	5	15
27	15	15	0	15	15	0	0	0	0	0	0	15
28	15	15	0	15	15	15	0	0	0	0	0	15
29	15	-----	0	15	15	4	0	0	0	0	0	15
30	15	-----	0	15	15	4	0	0	0	0	3	15
31	15	-----	0	-----	15	-----	0	0	-----	0	-----	15

A - 1 GATE OPEN 9 FEET, 4 GATES CLOSED.  
B - 4 GATES OPEN 15 FEET, 1 GATE CLOSED.

DAILY STAGE FOR 1991  
BAYOU COURTABLEAU AT DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-31-57, LONG. 91-51-26. ON SOUTHWEST WING WALL OF DRAINAGE STRUCTURE. (STA. 5845012E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1956 TO 1957. DAILY, MAR. 28, 1957 TO DATE.

EXTREMES. HIGHEST, 20.50 FEET ON APR. 19, 1973 AND FEB. 2 AND 3, 1974. LOWEST, 10.56 FEET ON AUG. 21, 1962.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.51	18.85	18.02	18.28	19.02	18.53	18.15	17.80	17.58	16.33	16.65	15.28
2	17.02	18.73	18.01	18.21	18.98	18.39	17.81	17.78	17.85	15.52	16.72	17.55
3	18.80	18.61	18.02	18.09	18.87	18.25	18.34	17.77	17.87	15.75	16.40	18.09
4	18.43	18.47	18.02	17.95	18.82	18.07	17.83	17.75	17.90	16.24	16.04	18.13
5	17.96	18.55	17.97	17.79	18.87	17.89	17.55	17.73	18.05	16.42	16.06	17.87
6	17.73	19.01	17.92	17.59	18.88	17.95	18.37	17.81	18.04	16.36	15.55	17.76
7	17.80	18.62	17.79	17.35	18.89	17.95	18.21	17.82	18.15	16.29	16.65	17.61
8	17.65	18.49	18.02	17.10	19.00	17.84	18.16	17.81	18.20	16.24	16.54	17.43
9	17.46	18.34	17.93	17.57	19.35	17.65	18.32	17.80	18.13	16.21	16.13	17.07
10	18.07	18.12	17.80	17.92	19.50	17.44	18.25	17.79	17.97	16.25	15.76	16.67
11	18.90	17.87	17.66	18.09	19.55	17.95	17.79	17.88	17.82	16.29	15.34	16.52
12	18.95	17.65	17.88	18.13	19.45	18.23	18.22	17.90	17.61	16.31	15.85	16.42
13	18.87	17.43	17.85	18.70	19.34	18.25	18.10	18.00	17.76	16.30	16.14	16.27
14	18.77	17.16	17.78	18.71	19.24	17.91	17.97	18.05	17.77	16.25	16.32	18.30
15	18.70	16.90	17.73	19.41	19.25	18.07	17.86	18.07	17.75	16.25	16.40	18.44
16	18.70	17.24	17.63	18.63	19.29	18.03	17.84	18.12	17.72	16.23	16.42	18.44
17	18.70	17.36	17.66	18.48	19.22	17.96	17.80	18.16	17.67	16.20	16.40	18.34
18	18.68	17.35	17.97	18.26	19.18	18.30	17.70	18.10	17.58	16.10	16.43	18.21
19	18.84	17.33	18.00	18.13	19.13	18.17	17.57	18.03	17.50	15.98	15.67	18.15
20	18.90	17.85	17.89	18.07	19.07	17.95	17.45	17.92	17.53	15.87	15.70	18.10
21	18.85	17.95	17.77	18.05	19.05	18.10	17.77	17.95	17.67	15.77	18.05	18.06
22	18.82	18.55	17.65	18.05	19.04	18.10	17.82	17.96	17.74	15.94	16.30	18.04
23	18.80	18.65	17.52	18.07	18.95	18.06	17.80	17.87	17.75	15.96	17.46	18.01
24	18.85	18.60	17.30	18.03	19.00	17.92	17.77	17.83	17.87	16.14	17.57	17.99
25	18.94	18.57	17.60	18.01	18.93	18.30	17.72	17.77	17.85	16.13	16.24	17.91
26	18.89	18.34	17.73	18.10	18.90	17.06	17.67	17.71	17.67	16.10	15.92	17.79
27	18.84	18.19	17.74	18.16	18.84	18.65	17.68	17.65	17.61	16.24	16.55	17.66
28	18.80	18.12	17.70	18.14	18.73	17.40	17.65	17.56	17.51	15.94	16.76	17.55
29	18.75	-----	17.80	18.52	18.65	18.52	17.60	17.63	17.37	15.36	16.71	17.34
30	18.99	-----	18.24	18.97	18.63	18.38	17.73	17.74	17.25	16.26	15.40	17.06
31	18.95	-----	18.27	-----	18.64	-----	17.78	17.79	-----	18.35	-----	16.79

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.51	18.10	17.83	18.15	19.04	18.04	17.88	17.86	17.76	16.18	16.34	17.58
MAX	18.99	19.01	18.27	19.41	19.55	18.65	18.37	18.16	18.20	18.35	18.05	18.44
MIN	17.02	16.90	17.30	17.10	18.63	17.06	17.45	17.56	17.25	15.36	15.34	15.28
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 17.77.

HIGHEST STAGE WAS 19.56 AT 2:00 P.M. ON MAY 10 AND LATER DATE(S).

LOWEST STAGE WAS 15.18 ON NOV 30.

## DAILY STAGE FOR 1991

WABPL BORROW PIT NEAR COURTABLEAU, LA.

LOCATION. LAT. 30-31-01, LONG. 91-51-35. ABOUT 500 FEET BELOW JUNCTION WITH BAYOU COURTABLEAU DIVERSION CHANNEL, 1.2 MILES SOUTH OF COURTABLEAU CONTROL STRUCTURE. (STA. 5855012E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO JUNE 24, 1954, GAGE WAS KNOWN AS, WEST CONNECTING DITCH, STATION 70+00.

RECORDS AVAILABLE. INTERMITTENTLY, 1940 TO 1950, 1953, AND 1955 TO 1956. DAILY, JUNE 24, 1954, TO FEB. 5, 1955, AND AUG. 28, 1956 TO DATE.

EXTREMES. HIGHEST (FROM INCOMPLETE RECORD) 23.6 FEET ON MAY 25, 1953. LOWEST, CHANNEL DRY ON JUNE 24, 1954, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.20	6.96	2.82	2.90	9.21	6.85	2.87	0.83	1.64	1.29	2.74	1.90
2	1.30	6.03	3.35	2.56	8.79	5.95	1.89	1.05	1.70	1.42	2.30	2.18
3	6.19	5.20	3.19	2.28	8.03	4.59	3.89	1.29	1.79	1.59	1.75	3.00
4	5.57	4.41	2.81	2.15	8.18	3.81	2.34	1.33	1.90	1.73	1.30	2.80
5	2.83	5.10	2.52	1.81	8.17	3.09	1.79	1.30	2.27	1.77	1.10	1.66
6	1.80	7.91	2.50	1.70	8.10	2.69	3.85	1.31	2.40	1.30	1.20	1.45
7	2.31	5.69	1.93	1.75	8.08	2.89	3.87	1.28	2.90	0.95	1.39	1.45
8	1.39	4.59	2.08	2.01	8.90	2.67	4.64	1.40	3.15	1.00	1.13	1.37
9	1.23	3.65	1.63	2.19	11.92	2.45	4.24	1.49	2.58	1.28	0.73	1.45
10	3.45	2.70	1.23	2.00	12.93	2.48	4.20	1.50	2.20	1.35	0.65	1.20
11	9.90	1.83	1.30	2.23	13.75	2.60	2.90	1.43	2.07	1.33	0.80	1.13
12	10.25	1.49	1.74	2.50	13.30	3.03	3.29	1.29	2.11	1.30	0.82	1.30
13	9.42	1.64	1.80	5.81	12.51	3.40	2.75	1.26	2.10	1.22	0.84	1.62
14	8.00	1.59	1.48	6.34	11.70	3.39	2.25	1.27	2.06	1.23	0.95	3.60
15	7.12	1.08	1.09	11.49	11.30	3.07	1.62	1.50	2.02	1.11	1.30	4.56
16	6.87	0.74	1.19	7.50	12.10	2.87	1.58	1.88	1.91	0.97	1.38	4.46
17	6.50	1.10	2.21	6.02	11.62	2.57	1.23	2.08	1.76	0.80	1.65	3.82
18	6.20	1.77	2.42	5.30	11.60	2.84	1.18	1.95	1.58	1.04	1.94	3.14
19	7.58	2.01	2.28	4.60	11.03	3.17	1.28	1.70	1.48	1.03	2.08	2.69
20	7.60	4.44	2.14	3.78	10.52	2.89	1.22	1.28	1.18	1.00	2.23	2.49
21	7.11	4.82	2.10	3.39	10.32	2.78	1.30	1.25	0.91	1.15	2.30	2.70
22	6.73	6.49	2.60	3.18	10.00	2.73	1.41	1.27	1.18	1.30	1.76	2.68
23	6.44	6.14	2.23	3.11	9.42	2.56	1.47	1.15	1.51	1.52	1.72	2.68
24	6.75	5.42	1.90	2.79	9.98	2.41	1.43	1.17	1.77	1.70	1.19	2.35
25	7.81	4.88	1.70	2.66	9.69	2.90	1.38	1.11	1.74	1.87	0.78	1.85
26	7.24	4.28	1.84	2.90	9.04	2.90	1.29	1.13	1.19	1.98	0.80	1.52
27	6.76	3.55	2.40	3.84	8.59	5.66	1.22	1.20	1.09	2.02	1.01	1.30
28	6.68	3.01	2.20	3.75	7.85	2.76	1.29	1.32	0.95	2.31	1.11	1.30
29	6.31	-----	2.52	5.59	7.60	4.62	1.10	1.43	1.05	2.45	1.28	1.00
30	8.19	-----	2.90	9.30	7.27	3.90	0.94	1.47	1.19	2.59	1.70	1.18
31	7.99	-----	3.05	-----	7.50	-----	0.89	1.68	-----	3.60	-----	1.31

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.96	3.88	2.17	3.91	9.97	3.35	2.15	1.37	1.78	1.52	1.40	2.17
MAX	10.25	7.91	3.35	11.49	13.75	6.85	4.64	2.08	3.15	3.60	2.74	4.56
MIN	1.20	0.74	1.09	1.70	7.27	2.41	0.89	0.83	0.91	0.80	0.65	1.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.30.  
 HIGHEST STAGE WAS 13.78 AT 2:00 A.M. ON MAY 11.  
 LOWEST STAGE WAS 0.52 ON NOV 9.

## DAILY STAGE FOR 1991

WABPL BORROW PIT (LS) AT NEW HENDERSON LANDING, LA.

LOCATION. LAT. 30-18-47, LONG. 91-47-20. ON WABPL BRIDGE. (STA. 58600120.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

GENERAL INFORMATION. FROM 1932, GAGE WAS KNOWN AS HENDERSON LS

RECORDS AVAILABLE. JAN. 13, 1932 TO DATE.

EXTREMES. HIGHEST, 18.4 FEET ON MAR. 11, 1932. LOWEST, MINUS 0.95 FOOT ON JAN. 13, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.26	4.87	2.54	1.89	6.30	5.23	2.50	0.82	1.62	1.33	2.75	1.94
2	1.34	4.31	2.93	1.73	6.05	4.74	1.93	1.07	1.68	1.45	2.36	2.17
3	3.60	3.77	2.91	1.74	5.70	4.20	2.70	1.30	1.76	1.64	1.87	2.27
4	3.79	3.30	2.41	1.84	5.51	3.64	2.13	1.36	1.83	1.76	1.40	2.00
5	2.27	4.45	2.17	1.71	5.60	3.17	1.83	1.34	2.07	1.81	1.15	1.37
6	1.74	5.65	2.24	1.64	5.55	2.90	2.98	1.34	2.22	1.36	1.29	1.40
7	2.05	4.35	1.86	1.66	5.47	2.78	3.50	1.30	2.48	0.95	1.45	1.47
8	1.34	3.48	1.74	1.94	6.34	2.47	4.39	1.38	2.60	1.04	1.25	1.43
9	1.23	2.92	1.43	2.05	8.03	2.35	3.64	1.48	2.27	1.34	0.78	1.49
10	2.75	2.36	1.13	1.82	8.82	2.47	3.69	1.51	2.07	1.39	0.70	1.24
11	7.21	1.85	1.23	1.82	9.25	2.73	2.90	1.39	2.06	1.36	0.84	1.19
12	7.30	1.50	1.56	2.07	9.15	3.17	2.87	1.21	2.10	1.34	0.87	1.34
13	6.89	1.66	1.70	3.49	8.84	3.34	2.55	1.07	2.09	1.27	0.92	1.59
14	5.97	1.64	1.37	4.15	8.49	3.14	2.15	0.99	2.04	1.25	1.04	2.31
15	5.32	1.15	1.03	7.05	8.31	2.90	1.73	1.20	1.99	1.16	1.42	2.67
16	5.00	0.74	1.10	5.70	8.60	2.71	1.66	1.51	1.91	1.00	1.46	2.64
17	4.62	1.10	2.13	4.64	8.43	2.48	1.29	1.65	1.79	0.85	1.72	2.40
18	4.35	1.72	2.18	4.84	8.55	3.22	1.20	1.68	1.61	1.09	2.04	2.19
19	5.31	2.02	2.00	4.07	8.34	3.00	1.27	1.50	1.52	1.11	2.12	1.98
20	5.17	4.28	1.95	3.43	7.93	2.34	1.26	1.20	1.19	1.07	2.27	1.98
21	4.81	4.60	2.02	3.06	7.72	2.64	1.33	1.13	0.90	1.21	2.04	2.36
22	4.50	5.27	2.40	2.86	7.45	2.46	1.41	1.15	1.18	1.35	1.79	2.34
23	4.30	4.73	2.20	2.80	7.07	2.25	1.45	1.10	1.49	1.55	1.82	2.38
24	4.50	4.10	1.85	2.53	7.44	2.35	1.43	1.16	1.71	1.72	1.20	2.08
25	5.31	3.67	1.62	2.42	7.19	3.65	1.41	1.13	1.70	1.89	0.81	1.67
26	4.93	3.19	1.74	2.64	6.85	2.30	1.33	1.15	1.17	2.00	0.85	1.47
27	4.58	2.75	2.25	3.39	6.52	3.70	1.30	1.23	1.10	2.06	1.08	1.34
28	4.74	2.44	2.14	3.40	6.17	2.43	1.34	1.34	0.95	2.34	1.20	1.33
29	4.42	-----	2.39	4.33	5.90	3.32	1.13	1.41	1.07	2.43	1.36	1.05
30	5.38	-----	2.19	6.39	5.67	3.07	0.94	1.44	1.19	2.57	1.73	1.22
31	5.54	-----	2.09	-----	5.67	-----	0.88	1.54	-----	2.93	-----	1.37

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.24	3.14	1.95	3.10	7.19	3.04	2.00	1.29	1.71	1.54	1.45	1.80
MAX	7.30	5.65	2.93	7.05	9.25	5.23	4.39	1.68	2.60	2.93	2.75	2.67
MIN	1.23	0.74	1.03	1.64	5.47	2.25	0.88	0.82	0.90	0.85	0.70	1.05
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.71.

HIGHEST STAGE WAS 9.25 AT 8:00 A.M. ON MAY 11.

LOWEST STAGE WAS 0.60 ON NOV 10.

DAILY STAGE FOR 1991  
CATAMOU LAKE AT CATAMOU LA, LA.

LOCATION. LAT. 30-12-40, LONG. 91-42-08. ON HIGHWAY 96 BRIDGE. (STA. 5865012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1939. DAILY, 1940 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 15.8 FEET ON MAR. 11, 1932. LOWEST, MINUS 1.01 FEET ON JAN. 13, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.24	3.86	2.34	1.53	4.97	4.63	2.21	0.74	1.60	1.29	2.64	1.81
2	1.31	3.49	2.65	1.52	4.87	4.25	1.81	1.05	1.66	1.42	2.27	2.07
3	2.40	3.16	2.71	1.72	4.70	3.85	2.10	1.29	1.76	1.61	1.78	1.91
4	2.77	2.84	2.28	1.74	4.55	3.46	1.85	1.36	1.81	1.73	1.30	1.55
5	1.93	3.68	2.04	1.65	4.60	3.07	1.72	1.34	2.00	1.80	1.07	1.18
6	1.65	4.44	2.12	1.60	4.51	2.77	2.52	1.33	2.15	1.29	1.23	1.34
7	1.79	3.63	1.77	1.61	4.37	2.60	3.18	1.30	2.32	0.89	1.40	1.36
8	1.25	3.02	1.57	1.83	4.98	2.43	3.90	1.33	2.37	1.01	1.15	1.36
9	1.17	2.60	1.31	2.00	6.07	2.33	3.34	1.46	2.14	1.29	0.69	1.49
10	2.34	2.19	1.03	1.80	6.56	2.44	3.34	1.44	1.99	1.35	0.64	1.11
11	5.44	1.78	1.19	1.75	6.87	2.63	2.82	1.30	2.00	1.32	0.77	1.16
12	5.46	1.46	1.49	1.97	6.95	2.94	2.65	1.11	2.05	1.30	0.81	1.24
13	5.27	1.59	1.65	2.76	6.90	3.08	2.39	0.95	2.04	1.24	0.86	1.46
14	4.82	1.60	1.35	3.31	6.74	2.97	2.05	0.85	1.99	1.22	0.96	1.85
15	4.43	1.07	1.04	5.15	6.70	2.78	1.66	1.11	1.96	1.14	1.34	1.90
16	4.17	0.65	1.06	4.67	6.87	2.59	1.56	1.39	1.91	0.95	1.40	1.88
17	3.88	1.06	2.13	3.97	6.78	2.38	1.22	1.49	1.78	0.83	1.65	1.83
18	3.67	1.40	2.07	4.25	6.95	2.79	1.17	1.55	1.60	1.07	1.90	1.80
19	4.24	1.95	1.91	3.72	6.82	2.69	1.26	1.37	1.53	1.09	2.04	1.69
20	4.10	3.76	1.94	3.24	6.57	2.23	1.27	1.11	1.13	1.06	2.20	1.78
21	3.82	3.97	1.94	2.90	6.42	2.43	1.31	1.05	0.86	1.19	1.89	2.21
22	3.63	4.34	2.35	2.72	6.22	2.27	1.36	1.07	1.17	1.33	1.70	2.17
23	3.48	3.85	2.10	2.64	5.95	2.09	1.43	1.05	1.46	1.50	1.65	2.23
24	3.71	3.48	1.75	2.40	6.14	2.15	1.39	1.14	1.67	1.69	1.07	1.91
25	4.10	3.13	1.57	2.32	6.04	2.82	1.34	1.11	1.61	1.86	0.77	1.51
26	3.91	2.73	1.73	2.51	5.86	2.11	1.26	1.15	1.14	1.97	0.84	1.34
27	3.70	2.42	2.16	3.17	5.62	2.76	1.22	1.23	1.01	2.05	1.08	1.26
28	3.89	2.19	2.10	3.26	5.44	2.30	1.26	1.30	0.90	2.35	1.19	1.20
29	3.67	-----	2.29	3.80	5.20	2.72	1.06	1.36	1.01	2.42	1.30	0.95
30	4.15	-----	1.97	4.97	5.00	2.59	0.87	1.39	1.14	2.40	1.63	1.14
31	4.23	-----	1.77	-----	4.91	-----	0.80	1.47	-----	2.72	-----	1.27

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.41	2.70	1.85	2.75	5.84	2.77	1.85	1.23	1.66	1.50	1.37	1.58
MAX	5.46	4.44	2.71	5.15	6.95	4.62	3.90	1.55	2.37	2.72	2.64	2.23
MIN	1.17	0.65	1.03	1.52	4.37	2.09	0.80	0.74	0.86	0.83	0.64	0.95
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.38.

HIGHEST STAGE WAS 6.95 AT 8:00 A.M. ON MAY 12 AND LATER DATE(S).

LOWEST STAGE WAS 0.53 ON NOV 9.

## DAILY STAGE FOR 1991

WABPL BORROW PIT (LS) AT LOWER GRAND BAYOU (LA.)

LOCATION. LAT. 30-04-26, LONG. 91-37-23. ON PILING AT LEVEE STATION 3907+00 IN LAKE DAUTERIVE, JUST WEST OF GRAND BAYOU. (STA. 5870012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1936 TO 1943. DAILY, JAN. 2, 1944 TO DATE.

EXTREMES. HIGHEST, 8.6 FEET FROM JUNE 6 TO 8, 1953. LOWEST, MINUS 0.30 FOOT ON NOV. 3, 1966.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.36	2.95	2.36	1.33	3.77	4.19	2.12	0.85	1.70	1.40	2.75	1.89
2	1.40	2.85	2.44	1.27	3.80	4.03	1.87	1.13	1.77	1.54	2.36	2.05
3	1.68	2.72	2.57	1.44	3.77	3.74	1.80	1.37	1.86	1.72	1.90	1.87
4	1.80	2.55	2.25	1.64	3.76	3.44	1.78	1.47	1.90	1.83	1.42	1.44
5	1.72	2.71	2.00	1.74	3.76	3.14	1.80	1.46	2.07	1.89	1.17	1.21
6	1.71	2.97	2.11	1.69	3.64	2.83	2.30	1.44	2.22	1.39	1.33	1.40
7	1.67	2.86	1.80	1.70	3.50	2.60	2.89	1.40	2.32	0.97	1.49	1.44
8	1.30	2.65	1.61	2.00	3.85	2.55	3.25	1.43	2.32	1.09	1.35	1.43
9	1.25	2.42	1.39	2.07	4.37	2.46	3.13	1.56	2.14	1.47	0.83	1.46
10	1.91	2.15	1.11	1.84	4.64	2.57	3.10	1.57	2.06	1.46	0.73	1.23
11	3.12	1.82	1.29	1.80	4.71	2.70	2.87	1.38	2.11	1.41	0.86	1.20
12	3.27	1.54	1.56	2.07	4.75	2.87	2.62	1.20	2.16	1.37	0.90	1.34
13	3.28	1.67	1.74	2.44	4.75	3.00	2.39	1.03	2.13	1.34	0.94	1.53
14	3.29	1.69	1.41	2.72	4.74	2.94	2.09	0.93	2.11	1.32	1.05	1.69
15	3.37	1.24	1.10	3.25	4.89	2.80	1.74	1.20	2.12	1.27	1.45	1.41
16	3.31	0.74	1.15	3.31	5.06	2.64	1.63	1.48	2.05	1.09	1.51	1.40
17	3.18	1.13	2.09	3.27	5.05	2.45	1.31	1.57	1.92	0.94	1.72	1.56
18	3.04	1.60	2.11	3.32	5.10	2.43	1.28	1.64	1.75	1.17	1.95	1.67
19	3.13	1.95	1.87	3.35	5.10	2.42	1.39	1.44	1.70	1.20	2.10	1.64
20	3.09	2.63	1.92	3.13	5.07	2.24	1.40	1.20	1.25	1.16	2.30	1.82
21	2.85	2.83	2.05	2.85	5.04	2.21	1.45	1.16	1.02	1.27	1.94	2.25
22	2.79	3.19	2.27	2.70	4.93	2.16	1.47	1.16	1.32	1.40	1.76	2.21
23	2.71	2.99	2.24	2.64	4.83	2.08	1.56	1.14	1.60	1.60	1.79	2.28
24	2.75	2.89	1.86	2.40	4.90	2.00	1.50	1.25	1.79	1.80	1.16	1.97
25	2.90	2.74	1.61	2.44	4.93	2.17	1.45	1.23	1.74	1.89	0.85	1.55
26	2.89	2.45	1.75	2.65	4.94	2.07	1.37	1.25	1.26	2.04	0.87	1.43
27	2.85	2.28	2.09	3.12	4.81	2.16	1.31	1.35	1.12	2.10	1.09	1.37
28	2.98	2.12	2.12	3.25	4.71	2.33	1.36	1.40	1.02	2.39	1.23	1.30
29	2.96	-----	2.31	3.47	4.59	2.36	1.17	1.45	1.13	2.46	1.36	1.07
30	3.06	-----	1.91	3.74	4.43	2.30	0.98	1.47	1.26	2.57	1.70	1.23
31	2.99	-----	1.58	-----	4.30	-----	0.90	1.56	-----	2.67	-----	1.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.57	2.30	1.86	2.49	4.53	2.66	1.85	1.33	1.76	1.59	1.46	1.57
MAX	3.37	3.19	2.57	3.74	5.10	4.19	3.25	1.64	2.32	2.67	2.75	2.28
MIN	1.25	0.74	1.10	1.27	3.50	2.00	0.90	0.85	1.02	0.94	0.73	1.07
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.16.  
 HIGHEST STAGE WAS 5.13 AT 5:15 P.M. ON MAY 18.  
 LOWEST STAGE WAS 0.63 ON NOV 9.

DAILY STAGE FOR 1991  
BAYOU BOEUF NEAR WOODWORTH, LA.

LOCATION. LAT. 31-12-08, LONG. 92-30-38. ON U. S. HIGHWAY 165 BRIDGE, 3.8 MILES NORTH OF WOODWORTH, LA.  
(STA. 6125015.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, MAY 4, 1939 TO JUNE 30, 1942, AND SEP. 27, 1962 TO DATE.  
INTERMITTENTLY, 1942 TO 1957.

EXTREMES. HIGHEST, 72.4 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 59.59 FEET ON JUNE 17, 1970.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	63.11	63.50	65.78	67.06	68.43	65.95	63.18	62.08	64.22	62.58		64.18
2	63.27	63.32	67.62	66.42	68.33	65.08	63.12	62.08	63.42	62.59		65.69
3	66.74	63.23	67.63	65.40	68.11	64.20	63.15	62.10	63.34	62.60		67.34
4	67.09	63.16	67.24	64.20	68.65	63.61	63.27	62.08	63.30	62.61		67.47
5	66.64	63.71	66.54	63.58	69.22	63.33	64.70	62.05	64.22	62.73		66.86
6	65.79	64.59	65.56	63.35	69.26	63.21	65.18	61.96	64.29	62.88		65.94
7	65.89	63.98	64.42	63.25	69.07	63.07	64.86	61.84	63.91	62.95		64.80
8	65.71	63.55	63.73	65.15	69.11	62.93	64.36	61.77	64.63	62.96		64.09
9	64.85	63.34	63.43	65.51	69.22	62.83	65.55	61.71	63.92	62.97		64.01
10	66.55	63.21	63.25	64.82	69.15	62.76	64.78	62.07	63.58	62.96		66.84
11	68.09	63.12	63.12	64.10	68.97	63.22	63.90	62.78	63.36	62.93		66.88
12	68.20	63.06	63.08	66.89	68.75	63.21	63.49	62.91	63.15	62.94		66.29
13	67.88	63.08	63.05	67.34	68.48	63.07	63.22		63.01	62.92		67.02
14	67.46	63.09	62.96	67.09	68.15	63.15	63.03		62.90	62.93		69.43
15	67.08	62.97	62.88	67.92	67.84	63.04	62.89		62.79	62.66		69.31
16	66.94	62.90	62.84		67.65	62.99	62.81		62.75	62.41		69.08
17	66.40	62.99	63.35		67.25	62.93	62.69		62.73	62.24		68.74
18	65.51	63.07	63.47		67.34	62.90	62.61		62.75	62.13		68.30
19	66.58	65.19	63.23		67.16	62.98	62.58		62.75	62.02		67.85
20	66.86	66.58	63.08		66.68	63.07	62.50		62.69	61.93		67.32
21	66.40	66.68	63.01		66.07	63.25	62.49		62.64	61.87		66.61
22	65.56	67.08	63.03		65.51	63.36	62.42		62.55		65.61	65.64
23	64.49	66.82	62.98		64.96	63.37	62.25	62.91	62.46		64.65	65.20
24	65.08	66.05	62.91		64.29	65.11	62.14	62.81	62.55		63.97	64.99
25	65.89	64.98	62.83		64.10	65.87	62.03	62.74	63.52		63.62	64.49
26	65.40	64.31	62.81	64.48	64.05	65.70	61.94	62.63	63.38		63.41	64.10
27	64.51	63.93	62.81	64.63	63.85	65.12	61.94	62.59	63.00		63.29	
28	64.00	63.63	62.73	65.42	63.64	64.29	61.94	62.54	62.82		63.24	
29	63.75	-----	66.70	66.82	63.58	63.88	61.98	62.49	62.71		63.20	
30	63.96	-----	67.81	68.29	64.28	63.45	62.17	62.44	62.63		63.18	
31	63.83	-----	67.59	-----	66.10	-----	62.13	64.77	-----	-----	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	65.79	64.11	64.24	65.59	67.01	63.70	63.07	62.45	63.20	62.61	63.80	66.48
MAX	68.20	67.08	67.81	68.29	69.26	65.95	65.55	64.77	64.63	62.97	65.61	69.43
MIN	63.11	62.90	62.73	63.25	63.58	62.76	61.94	61.71	62.46	61.87	63.18	64.01
DAYS	31	28	31	20	31	30	31	21	30	21	9	26

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 309  
THE MEAN STAGE FOR THE YEAR WAS 64.42.  
HIGHEST STAGE WAS 69.44 AT NOON ON DEC 14.  
LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 61.61 ON OCT 20.

DAILY STAGE FOR 1991  
BAYOU BOEUF NEAR LAMOURIE, LA.

LOCATION. LAT. 31-09-10, LONG. 92-25-51. DOWNSTREAM OF ROBERTSON ROAD BRIDGE, 0.7 MILE ABOVE JUNCTION WITH BAYOU LAMOURIE AND TWO MILES NORTHWEST OF LAMOURIE, LA. (STA. 6128015.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. FROM 1937 TO 1938 GAGE WAS KNOWN AS BAYOU BOEUF AT HIGHWAY BRIDGE 1/2 MILE ABOVE BAYOU LAMOURIE, AND IN 1939 AS BAYOU BOEUF, 3/4 MILE ABOVE BAYOU LAMOURIE.

RECORDS AVAILABLE. OCT 12, 1937 TO DATE.

EXTREMES. HIGHEST, 72.4 FEET ON MAY 18 AND 19, 1953. LOWEST, 59.2 FEET FROM SEPT. 5 TO 11, 1939.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	62.81	63.12	65.59	64.82	66.51	64.30	62.80	61.78	63.32	62.38	64.48	63.12
2	62.88	63.00	66.35	64.30	66.22	63.76	62.74	61.78	63.02	62.36	64.19	64.59
3	65.66	62.89	66.02	63.81	66.09	63.41	62.69	61.77	62.98	62.34	63.84	65.91
4	65.64	62.83	65.43	63.31	67.49	63.15	62.67	61.76	62.96	62.32	63.30	65.52
5	65.01	63.41	64.81	62.99	67.82	62.93	63.28	61.75	63.33	62.30	62.94	65.03
6	64.39	63.62	64.20	62.84	68.00	62.84	63.51	61.74	63.24	62.32	62.78	64.56
7	65.02	63.41	63.60	62.78	67.82	62.73	63.53	61.73	63.13	62.36	62.66	63.75
8	64.71	63.12	63.22	63.52	67.90	62.62	63.44	61.72	63.48	62.42	62.61	63.38
9	64.10	62.98	63.03	63.69	68.03	62.54	63.98	61.71	63.32	62.48	62.55	63.31
10	65.62	62.91	62.88	63.43	67.99	62.50	63.72	62.05	63.18	62.52	62.50	65.41
11	66.98	62.86	62.79	63.25	67.82	62.86	63.38	62.48	62.92	62.55	62.49	65.08
12	66.78	62.84	62.76	65.49	67.54	62.86	62.94	62.87	62.82	62.56	62.48	64.58
13	66.49	62.82	62.73	65.19	67.40	62.81	62.83	62.98	62.75	62.58	62.48	66.43
14	66.05	62.80	62.69	64.78	67.02	62.77	62.72	63.04	62.68	62.59	62.47	68.69
15	65.71	62.79	62.64	66.38	66.78	62.71	62.61	63.11	62.58	62.56	62.46	68.49
16	65.48	62.77	62.60	66.21	66.54	62.63	62.50	63.30	62.52	62.30	62.46	68.05
17	64.92	62.75	62.86	65.72	66.08	62.56	62.41	63.31	62.48	62.11	62.45	67.65
18	64.29	62.73	62.99	65.71	65.82	62.50	62.37	63.10	62.46	61.96	62.73	67.29
19	65.40	63.88	62.86	65.51	65.53	62.62	62.31	62.91	62.42	61.86	62.85	66.68
20	65.22	64.86	62.75	65.24	65.04	62.57	62.26	62.78	62.39	61.77	64.31	66.24
21	64.88	65.18	62.70	64.95	64.53	62.78	62.21	62.71	62.36	61.70	64.44	65.43
22	64.28	65.45	62.66	64.65	64.21	62.70	62.17	62.65	62.33	61.63	64.09	64.60
23	63.74	65.04	62.63	64.61	64.00	62.62	62.14	62.58	62.27	61.58	63.54	64.32
24	64.05	64.42	62.60	64.41	63.59	63.78	61.96	62.52	62.38	61.62	63.18	64.12
25	64.23	63.90	62.58	64.05	63.38	64.18	61.90	62.46	62.85	61.76	63.02	63.76
26	64.00	63.51	62.56	63.81	63.31	63.87	61.84	62.40	62.90	61.83	62.93	63.49
27	63.70	63.30	62.54	63.70	63.24	63.56	61.78	62.35	62.76	61.84	62.86	63.36
28	63.33	63.11	62.51	64.00	63.14	63.35	61.72	62.31	62.63	61.94	62.82	63.29
29	63.19	-----	65.49	65.60	63.05	63.14	61.68	62.27	62.49	62.01	62.80	63.16
30	63.36	-----	65.79	66.30	63.40	62.89	61.80	62.24	62.40	62.98	62.83	63.06
31	63.30	-----	65.31	-----	64.58	-----	61.79	63.38	-----	63.82	-----	62.98

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	64.68	63.44	63.55	64.50	65.80	63.02	62.57	62.44	62.78	62.24	63.05	65.01
MAX	66.98	65.45	66.35	66.38	68.03	64.30	63.98	63.38	63.48	63.82	64.48	68.69
MIN	62.81	62.73	62.51	62.78	63.05	62.50	61.68	61.71	62.27	61.58	62.45	62.98
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 63.59.

HIGHEST STAGE WAS 68.69 ON DEC 14.

LOWEST STAGE WAS 61.56 ON OCT 23.

DAILY STAGE FOR 1991  
BAYOU BOEUF NEAR LECOMPTÉ, LA.

LOCATION. LAT. 31-06-48, LONG. 92-25-52. ABOUT 3.8 MILES ABOVE HIGHWAY 112, 3.2 MILES NORTHWEST OF LECOMPTÉ, LA. (STA. 6140015.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JUNE 28, 1948 TO DATE.

EXTREMES. HIGHEST, 71.8 FEET ON MAY 18 AND 19, 1953. LOWEST, BELOW 59 FEET, ON AUG. 16 AND 17, 1951.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	63.2	63.2	64.8	64.2	65.5	63.8	62.8	61.9	62.5	62.5	63.9	63.2
2	63.3	63.0	65.5	63.9	65.4	63.5	62.7	61.9	63.9	62.5	63.8	64.3
3	65.1	62.9	65.4	63.5	65.3	63.2	62.7	61.9	63.0	62.4	63.6	65.0
4	64.7	62.9	64.9	63.3	66.9	63.1	62.8	61.9	63.0	62.4	63.3	64.8
5	64.4	63.2	64.3	63.1	67.2	63.0	63.3	61.8	63.3	62.4	63.2	64.5
6	64.0	63.5	63.8	62.9	67.4	62.9	63.5	61.8	63.3	62.4	63.0	64.0
7	64.5	63.4	63.5	62.9	67.2	62.9	63.5	61.8	63.3	62.4	62.7	63.7
8	64.2	63.2	63.3	63.5	67.2	62.8	63.4	61.9	63.4	62.4	62.7	63.4
9	64.5	63.2	63.2	63.5	67.3	62.7	63.9	61.9	63.2	62.4	62.6	64.3
10	64.9	62.9	62.8	63.4	67.3	62.7	63.6	62.2	63.0	62.4	62.6	64.5
11	66.2	62.9	62.7	63.5	67.0	63.0	63.3	62.3	62.9	62.4	62.5	64.3
12	66.4	62.8	62.7	64.9	66.8	62.9	63.0	62.9	62.8	62.3	62.5	64.2
13	65.7	62.8	62.8	64.6	66.5	62.9	62.8	63.0	62.8	62.3	62.5	65.3
14	65.3	62.9	62.8	64.3	66.2	62.9	62.7	63.0	62.7	62.3	62.5	68.3
15	65.0	62.8	62.7	65.9	65.9	62.8	62.5	63.2	62.7	62.2	62.5	67.7
16	64.8	62.8	62.8	65.6	65.9	62.8	62.5	63.5	62.6	62.2	62.5	67.2
17	64.3	62.8	62.9	65.1	65.3	62.7	62.5	63.5	62.6	62.1	62.5	66.8
18	63.9	62.9	63.0	65.1	65.1	62.7	62.4	63.4	62.5	62.0	62.8	66.2
19	64.7	63.6	62.8	64.8	64.8	62.8	62.4	63.2	62.5	62.0	63.0	65.7
20	64.4	64.2	62.8	64.5	64.4	62.8	62.3	63.0	62.5	61.9	63.8	65.1
21	64.2	64.6	62.8	64.4	64.3	62.9	62.3	62.9	62.4	61.9	63.9	64.6
22	63.9	64.7	62.8	64.1	64.1	62.9	62.2	62.8	62.4	61.8	63.7	64.2
23	63.5	64.4	62.8	64.2	63.7	62.9	62.2	62.7	62.4	61.8	63.5	63.9
24	63.8	64.0	62.7	63.9	63.5	62.9	62.1	62.6	62.7	61.9	63.3	63.8
25	63.9	63.7	62.7	63.6	63.4	63.2	62.0	62.5	62.8	61.9	63.3	63.6
26	63.7	63.5	62.7	63.5	63.3	63.2	61.8	62.5	62.9	61.9	63.2	63.4
27	63.5	63.3	62.7	63.4	63.3	63.4	61.8	62.4	62.8	61.9	63.0	63.3
28	63.4	63.2	62.6	63.7	63.1	63.4	61.7	62.3	62.7	62.0	63.0	63.2
29	63.3	-----	65.0	65.1	63.0	63.2	61.9	62.3	62.6	62.2	62.9	63.1
30	63.4	-----	65.0	65.7	63.4	63.0	62.0	62.3	62.5	63.0	62.9	63.0
31	63.3	-----	64.7	-----	64.0	-----	62.0	62.4	-----	63.4	-----	63.0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	64.3	63.3	63.4	64.1	65.3	63.0	62.6	62.5	62.8	62.2	63.0	64.6
MAX	66.4	64.7	65.5	65.9	67.4	63.8	63.9	63.5	63.9	63.4	63.9	68.3
MIN	63.2	62.8	62.6	62.9	63.0	62.7	61.7	61.8	62.4	61.8	62.5	63.0
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 63.4.

HIGHEST STAGE WAS 68.3 ON DEC 14.

LOWEST STAGE WAS 61.7 ON JUL 27 AND LATER DATE(S).

## DAILY STAGE FOR 1991

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL NEAR LONEPINE, LA.

LOCATION. LAT. 30-59-07, LONG. 92-18-32. ON HIGHWAY 181 BRIDGE, 2.4 MILES NORTH OF LONEPINE, LA.  
(STA. 6152016.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1949, AND 1953 TO 1956. DAILY, OCT. 25, 1956 TO DATE.

EXTREMES. HIGHEST, 60.90 FEET IN 1953. LOWEST, CHANNEL DRY ON JULY 17, 1958, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	41.00	42.00	43.30	48.25	53.83	47.30	40.49		42.94		46.88	40.95
2	41.00	41.26	51.55	46.68	52.67	45.30	40.10		41.14		47.08	51.71
3	45.15	40.92	51.59	44.69	52.03	43.25	41.38		40.52		45.60	52.69
4		40.68	50.90	42.45	53.24	41.69	40.26		40.88		43.68	51.43
5		49.69	49.68	40.45	54.22	40.74	43.78 F	38.88	41.52			49.99
6		45.33	47.59	39.52	55.32	41.04	45.21		42.41			47.88
7	F 49.36	43.94	45.10	39.19	55.00	40.36	44.17		41.94 F	39.29		45.52
8	49.59	42.33	42.83	41.40	55.02	39.96	43.52		43.95			43.41
9	47.43	41.34	41.35	43.29	55.26	39.79	47.80		42.70			42.31
10	52.99	40.80	40.65	42.73	55.04 F	39.37	46.10 F	40.15	41.09			49.05
11	54.70	40.52	40.28	41.80	54.70		43.36 F	40.15	40.53			49.21
12	53.71	40.35	40.12	51.89	54.20		41.63	41.18	40.18	F 39.28		47.95
13	52.70	40.25	40.02	50.51	53.65		40.79	41.06	39.92			49.70
14	51.91	40.37	39.89	49.00	53.08		40.29	41.17				55.47
15	50.09	40.21	39.70	54.05	54.22			42.05		F 39.35		55.39
16	48.50	39.97	39.68	53.28	53.99	F 39.48	E 44.90	F 38.27				55.15
17	47.47	39.95	40.24	51.82	52.62		E 44.00					54.77
18	48.69	40.08	41.10	50.89	52.12 F	38.51	E 42.22			F 39.75		53.97
19	50.90	42.75	40.62	50.44	51.78	39.58	E 41.02				40.40	53.00
20	51.39	48.32		49.53	50.78 F	39.48	40.38				49.85	51.95
21	49.20	50.50		48.68	50.50	40.57		40.04		F 38.87	47.97	50.88
22	48.00	53.04		47.56	48.73	40.06 F	38.97	39.83			46.15	48.96
23	45.45	50.92		47.39	46.69	40.28		F 39.80	F 38.91		44.39	46.78
24	46.45	48.74		46.75	46.14	45.57					42.48	46.46
25	47.50	46.34 F	38.47	47.11	43.89	48.99			F 39.40		41.34	44.90
26	46.40	44.43		44.52	44.50	46.08	F 39.03	40.10			40.74	43.69
27	44.90	43.25		44.49	42.87	48.45		39.57			40.45	42.99
28	43.45	42.24		45.50	42.11	46.15				F 38.88	40.29	42.52
29	42.50	-----	41.00	53.60	41.80	42.57 F	38.93				40.17	41.90
30	42.65	-----	49.47	54.88	43.62	41.29	F 39.81	F 39.09		42.05	40.11	41.49
31	42.93	-----	49.30	-----	46.70	-----	42.45	-----	44.33	-----	-----	41.03

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	47.72	43.59	43.67	47.08	50.66	42.45	42.13	41.01	40.79	40.46	43.14	48.16
MAX	54.70	53.04	51.59	54.88	55.32	48.99	47.80	44.90	43.95	44.33	49.85	55.47
MIN	41.00	39.95	38.47	39.19	41.80	38.51	38.93	38.88	38.27	38.87	39.28	40.95
DAYS	28	28	23	30	31	23	17	18	19	6	18	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 273

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 45.05.

HIGHEST STAGE WAS 55.47 AT 8:00 A.M. ON DEC 14.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 38.27 ON SEP 16.

## DAILY STAGE FOR 1991

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL EAST OF LONEPINE, LA

LOCATION. LAT. 30-57-10, LONG. 92-16-50. 1000 FEET SOUTH OF HIGHWAY 115 AND INTERSTATE 10 BRIDGES ABOUT TWO MILE EAST OF LONEPINE, LA. (STA. 6153516.)

GAGE. STAFF.

RECORDS AVAILABLE. SEP. 20, 1985 TO DATE.

EXTREMES. HIGHEST, 59.28 FEET ON JUL. 4, 1989. LOWEST, NOT DETERMINED.

STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				46.60			40.25					50.55
2						40.96			37.70		41.02	
3		37.70	48.25					35.68				
4												
5												
6												
7	46.70									35.95		
8				40.75	53.10		41.35					
9												40.90
10						39.37			38.30			
11		37.70	37.35									
12								38.40			36.04	
13					50.85							
14	49.27											
15				53.10						36.13		
16							36.33		36.05			
17												
18			38.50			36.34					36.40	
19		42.10						38.45				
20					48.30							
21										35.63		
22	44.90			46.05			35.81		35.68			
23						43.78						
24		43.85										
25												
26								36.87			38.25	41.30
27			36.40									
28	40.80									35.75		
29		-----		53.20	39.32		35.78					
30		-----							35.87			39.20
31		-----		-----		-----			-----		-----	

## DAILY STAGE FOR 1991

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL NEAR EOLA, LA.

LOCATION. LAT. 30-53-44, LONG. 92-13-47. ON BRIDGE, 350 FEET BELOW RAILROAD BRIDGE  
(NEAR INTERSTATE 10) AND 1.5 MILES SOUTHWEST OF EOLA, LA. (STA. 6156012A.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. JULY 24, 1958 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 47.61 FEET ON JAN. 3, 1983. LOWEST, 27.27 FEET ON  
AUG. 4, 1987 AND LATER DATE(S).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	31.40	33.12	32.60	39.22	43.70	37.72	31.17		34.00		37.27	31.48
2	31.65	32.31	40.90	37.79	43.20	36.15	30.44		32.61		37.65	42.49
3	42.11	31.64	41.37	36.15	42.51	34.03	33.35		31.10		36.43	43.29
4	42.34	31.21	40.87	34.18	42.55	32.50	36.70		31.50		34.69	42.69
5	41.30	40.90	39.81	32.25	42.87	31.39	35.45 F	27.83	31.25		32.55	41.06
6	39.24	37.18	37.98	31.08	43.69	31.80	36.30		33.10		31.03	38.90
7	38.94	35.51	35.99	30.50	43.65	30.78	34.95		32.69 F	28.07	30.17	36.60
8	39.78	33.90	33.65	32.00	44.08	30.10	34.50		34.24		29.64	34.50
9	38.17	32.78	32.34	34.60	44.26	29.50	38.40		33.70		29.42	33.10
10	41.80	31.96	31.42	34.30	44.15	29.00	37.00 F	29.10	31.92			38.90
11	43.64	31.39	30.82	33.60	44.03	31.25	34.25	30.50	31.05			39.49
12	43.75	30.95	30.33	42.10	43.85	31.84	32.45	32.01	30.51	F	28.58	38.25
13	43.39	30.80	30.10	41.60	43.59	30.97	31.32	31.38	30.00			36.88
14	42.89	30.84	29.99	40.10	43.29	30.90	30.42	31.47	29.53			44.28
15	42.59	30.83	29.69	43.85	43.74	30.34	29.70	32.70 F	29.29 F	28.66		44.30
16	42.34	30.32	29.32	43.78	43.84	30.65	29.38	35.60 F	28.57			44.20
17	33.03	29.97	30.49	43.30	43.45	29.70	29.11	34.70				43.98
18		30.18	31.80	42.35	43.11	29.34		33.38		F	28.86	43.80
19		32.28	31.48	41.70	42.71	30.83		32.00			30.40	43.46
20		37.89	30.78	40.69	41.70	29.50		31.01			40.15	42.90
21	40.40	40.69	30.16	39.80	41.70	32.75		30.48		F	27.73	38.40
22	38.60	43.49	29.83	38.80	40.02	31.35 F	28.02	29.99				42.00
23	36.69	42.93	29.70	38.25	37.88	31.39		29.61 F	27.86			40.09
24	36.70	40.57	29.59	37.80	37.88	35.67		29.27				38.20
25	38.40	37.86	29.30	38.10	35.27	40.30			F	29.30		37.57
26	37.60	35.90	29.05	36.19	36.15	37.09		F	28.20	31.00		32.12
27	36.19	34.45	28.97	35.60	34.00	39.95				30.59		34.71
28	34.65	33.28	28.91	36.60	33.17	38.57				29.65 F	27.95	30.94
29	33.60	-----	29.78	43.40	32.60	33.79 F	27.92			F	29.30	30.71
30	33.63	-----	39.72	43.90	34.57	32.40		F	29.25 F	28.27	33.35	30.50
31	33.94	-----	39.88	-----	36.60	-----		31.00	-----	35.15	-----	30.27

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	39.03	34.47	32.79	38.12	40.90	32.72	32.68	31.03	30.99	30.03	32.89	38.63
MAX	43.75	43.49	41.37	43.90	44.26	40.30	38.40	35.60	34.24	35.15	40.15	44.30
MIN	31.40	29.97	28.91	30.50	32.60	29.00	27.92	27.83	27.86	27.73	28.58	31.48
DAYS	31	28	31	30	31	30	19	19	22	7	23	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 302

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 35.23.

HIGHEST STAGE WAS 44.39 AT 11:45 P.M. ON MAY 8.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 27.73 ON OCT 21.

## DAILY STAGE FOR 1991

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL AT MILBURN, LA.

LOCATION. LAT. 30-51-58, LONG. 92-13-52. ON HIGHWAY 106 BRIDGE (NEAR INTERSTATE 49), ONE MILE WEST OF MILBURN, LA. (STA. 6160012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1949 TO 1958. DAILY, JULY 23, 1958 TO DATE.

EXTREMES. HIGHEST, 49.30 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 25.53 FEET ON OCT. 15, 1987 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	28.70	30.29	29.82	35.39	40.36	34.33	28.37		30.70		33.38	28.72
2	29.05	29.50	36.95	34.13	39.81	32.88	27.89		29.55		33.78	38.69
3	38.32	28.99	37.49	32.63	39.09	31.12	30.14		28.37		32.70	39.70
4	38.60	28.66	36.98	31.00	39.28	29.62	28.05		28.70		31.30	39.10
5	37.65	37.20	36.05	29.42	39.20	28.70	31.90 F	26.15	28.40		29.61	37.59
6	35.80	34.39	34.50	28.48	40.06	28.96	32.80		29.95		28.40	35.55
7	35.35	32.78	32.55	27.99	39.95	28.27	31.57		29.60 F	26.02	27.78	33.55
8	36.10	31.15	30.63	28.75	40.89	27.77	31.15		30.90		27.46	31.59
9	34.79	29.90	29.48	31.21	41.20	27.48	34.59		30.50		27.29	30.21
10	38.28	29.12	28.83	31.00	41.20	27.18	33.42 F	26.51	29.10		27.05	35.10
11	40.25	28.69	28.37	30.40	41.01	28.70	31.04	28.09	28.38		26.86	35.65
12	40.39	28.39	28.00	37.75	40.70	29.05	29.45	29.19	27.98		26.70	34.60
13	40.02	28.19	27.83	37.50	40.35	28.35	28.50	28.54	27.65		26.55	33.40
14	F 39.36	28.22	27.77	36.20	39.98	28.20	27.91	28.59	27.25			40.85
15	39.19	28.28	27.50	40.09	40.75	27.89	27.51	29.53	27.00 F	26.69		41.02
16	38.85	27.92	27.29	40.10	40.50	28.10	27.33	32.10	26.79	26.62		40.80
17	37.64	27.63	28.20	39.59	40.20	27.35	27.04	31.31				40.49
18	36.04	27.79	29.00	38.64	39.91	27.23	26.71	30.09			F 26.50	40.20
19	38.99	28.89	28.80	38.10	39.50	28.25	26.60	29.05			27.93	39.88
20	38.39	34.45	28.28	37.30	38.60	27.30	26.58	28.27			36.28	39.35
21	37.24	37.15	27.88	36.40	38.60	29.85	26.57	27.84		F 25.88	34.80	38.51
22	F 35.37	40.43	27.61	35.43	37.22	28.60 F	26.34	27.51			33.30	36.85
23	33.92	39.94	27.53	34.85	35.38	28.68		27.27 F	26.00		31.88	35.32
24	33.90	37.88	27.45	34.44	35.46	31.80		26.98			30.45	34.67
25	35.27	35.15	27.22	34.45	33.42	36.55		26.70 F	26.52		29.33	33.50
26	34.53	33.20	27.03	32.95	34.00	33.60 F	26.60	26.53	28.19		28.70	32.34
27	33.25	31.77	26.86	32.30	32.28	36.10	26.79		27.93		28.38	31.48
28	31.82	30.66	26.75	33.10	31.42	34.90	26.51		27.30 F	26.21	28.16	30.82
29	30.79	-----	27.90	40.25	30.78	30.75 F	26.22		26.87 F	26.42	28.00	30.09
30	30.94	-----	35.80	40.50	32.17	29.40		F 26.50 F	26.43	30.80	27.87	29.51
31	31.10	-----	36.04	-----	33.10	-----	26.54	27.99	-----	31.69	-----	29.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	35.80	31.66	30.08	34.68	37.95	29.90	28.67	28.24	28.26	27.54	29.63	35.43
MAX	40.39	40.43	37.49	40.50	41.20	36.55	34.59	32.10	30.90	31.69	36.28	41.02
MIN	28.70	27.63	26.75	27.99	30.78	27.18	26.22	26.15	26.00	25.88	26.50	28.72
DAYS	31	28	31	30	31	30	27	20	23	8	26	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 316

F=NOT AT STATED TIME

HIGHEST STAGE WAS 41.59 AT 11:00 P.M. ON MAY 8.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 25.88 ON OCT 21.

## DAILY STAGE FOR 1991

## BAYOU COCODRIE NEAR CLEARWATER, LA.

LOCATION. LAT. 31-00-00, LONG. 92-22-46. ON U. S. HIGHWAY 167 BRIDGE, 1,000 FEET DOWNSTREAM FROM BAYOU COCODRIE DAM, AND 1.5 MILES EAST OF CLEARWATER, LA. (STA. 6164016.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 240 SQUARE MILES. SLIGHT REGULATION AT LOW FLOW BY LAKE COCODRIE (USABLE CAPACITY, 9,000 ACRE-Feet). PRIOR TO OCT. 1937, STATION WAS REFERRED TO AS, NEAR WEEKER, LA. ZERO OF GAGE PRIOR TO 1968 WAS 40.00 FEET N.G.V.D. GAGE ZERO OF PUBLISHED REPORTS FOR 1968 THROUGH 1988 SHOULD BE CORRECTED TO 39.57 FEET N.G.V.D.

RECORDS AVAILABLE. STAGE, MAY 1922 TO JAN. 1925, AND OCT. 1937 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DISCHARGE, DAILY, COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 27.15 FEET ON MAY 19, 1953. LOWEST, 3.30 FEET ON OCT. 9, 1969. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

## DAILY MEAN STAGE IN FEET

## GAGE ZERO, 40.00 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.40	15.08	13.09	9.27	16.01	15.68	14.68	7.33	7.62	6.19	10.95	8.92
2	10.57	14.87	13.58	9.43	16.06	15.56	14.48	7.07	9.45	6.13	11.40	12.17
3	12.91	14.65	13.98	9.15	15.92	15.35	14.33	6.85	10.53	6.07	11.33	13.80
4	13.96	14.45	14.01	8.83	15.88	15.12	14.32	6.68	10.62	6.01	10.96	14.35
5	14.21	14.50	13.87	8.50	16.42	14.91	14.52	6.54	10.47	5.96	10.44	14.40
6	14.14	14.46	13.67	8.23	17.51	15.05	14.67	6.42	10.17	5.87	9.94	14.27
7	14.08	14.39	13.43	7.98	17.92	15.13	14.82	6.31	10.22	5.81	9.49	14.08
8	14.16	14.25	13.18	7.87	18.10	15.04	14.81	6.25	10.54	5.82	9.13	13.88
9	14.16	14.06	12.88	7.69	18.65	14.84	14.82	6.29	10.25	5.97	8.77	13.73
10	14.74	13.86	12.51	7.55	18.98	14.71	14.75	6.28	9.94	5.94	8.46	13.66
11	16.25	13.63	11.98	8.08	18.96	15.03	14.62	6.77	9.54	5.90	8.17	13.70
12	17.02	13.41	11.17	10.46	18.78	15.41	14.43	6.59	9.09	5.87	7.92	13.67
13	17.13	13.17	10.53	12.88	18.55	15.64	14.21	6.38	8.67	5.80	7.69	14.97
14	16.97	12.87	9.95	13.74	18.32	15.72	13.99	6.52	8.29	5.77	7.49	18.73
15	16.86	12.37	9.44	14.95	18.27	15.60	13.76	6.48	7.96	5.73	7.32	19.61
16	16.77	11.64	9.14	15.83	18.30	15.42	13.53	6.67	7.70	5.64	7.17	19.65
17	16.65	11.00	9.27	16.03	18.22	15.20	13.29	6.87	7.45	5.60	7.11	19.44
18	16.54	10.45	9.13	15.93	18.09	14.98	13.01	6.76	7.22	5.56	7.42	19.19
19	16.75	10.13	8.95	15.80	17.93	14.78	12.64	6.69	6.98	5.55	7.74	18.94
20	16.94	10.19	8.76	15.62	17.75	14.60	12.02	6.64	6.77	5.53	10.51	18.70
21	16.91	11.37	8.53	15.41	17.58	14.54	11.27	6.26	6.60	5.52	10.96	18.47
22	16.73	13.15	8.33	15.19	17.40	14.61	10.59	6.83	6.45	5.51	11.25	18.24
23	16.52	13.82	8.11	14.98	17.19	14.45	9.98	6.45	6.30	5.53	11.16	18.03
24	16.40	13.96	7.85	14.76	17.01	14.48	9.44	6.09	6.31	5.64	10.69	17.81
25	16.34	13.85	7.62	14.64	16.81	14.82	8.95	7.76	6.40	5.67	10.14	17.58
26	16.26	13.69	7.42	14.46	16.62	14.83	8.62	7.47	6.40	5.73	9.66	17.35
27	16.09	13.49	7.25	14.35	16.40	14.99	8.55	7.29	6.35	5.93	9.26	17.14
28	15.90	13.28	7.09	14.27	16.19	15.03	8.29	7.19	6.29	6.10	8.91	16.91
29	15.69	-----	7.19	14.80	16.00	15.01	8.06	7.02	6.23	6.40	8.60	16.68
30	15.50	-----	7.34	15.58	15.83	14.88	7.87	7.02	6.20	7.55	8.45	16.45
31	15.28	-----	8.21	-----	15.72	-----	7.60	7.15	-----	9.12	-----	16.22

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.45	13.22	10.24	12.41	17.33	15.05	12.29	7.87	8.10	5.98	9.28	16.15
MAX	17.13	15.08	14.01	16.03	18.98	15.72	14.82	9.87	10.62	9.12	11.40	19.65
MIN	10.40	10.13	7.09	7.55	15.72	14.45	7.60	6.25	6.20	5.51	7.11	8.92
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 11.94.  
 HIGHEST STAGE WAS 19.69 AT 9:40 P.M. ON DEC 15.  
 LOWEST STAGE WAS 5.50 ON OCT 22.

DAILY STAGE FOR 1991  
BAYOU COCODRIE AT ST. LANDRY, LA.

LOCATION. LAT. 30-50-40, LONG. 92-15-34. ON HIGHWAY 106 BRIDGE, 10.5 MILES NORTH OF VILLE PLATTE, LA. (STA. 6172016.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1946. DAILY, AUG. 9, 1946 TO MAY 22, 1958, AND APR. 25, 1961 TO DATE.

EXTREMES. HIGHEST, 48.85 FEET ON MAY 20, 1953. LOWEST, (FROM INCOMPLETE RECORD) 31.53 FEET ON OCT. 19, 1987.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	36.52	38.70	38.04	35.14	42.13	38.92	38.70	34.22	34.28	33.27	37.47	35.01
2	36.39	38.61	37.93	35.60	41.52	38.81	38.51	34.08	34.48	33.28	36.63	39.45
3	39.69	38.48	38.01	35.58	40.78	38.60	38.37	33.89	35.49	33.27	36.51	40.80
4	39.89	38.38	37.83	35.37	40.68	38.54	38.23	33.71	35.91	33.22	36.38	40.38
5	39.49	39.72	37.93	35.18	40.36	38.29	38.21	33.59	36.00	33.19	36.08	39.90
6	39.09	40.10	37.97	35.00	41.13	38.25	38.77	33.58	35.90	33.18	35.81	39.27
7	38.90	39.64	37.88	34.87	41.20	38.21	38.49	33.49	35.72	33.10	35.53	38.90
8	38.60	39.20	37.77	34.78	41.93	38.22	38.45	33.40	36.13	33.06	35.30	38.57
9	38.89	38.80	37.83	34.32	43.15	38.22	38.55	33.30	36.02	33.71	35.12	38.30
10	39.86	38.50	37.58	33.61	43.24	38.20	38.50	33.38	35.89	33.58	34.94	38.21
11	41.80	38.24	37.29	33.85	43.00	38.24	38.38	33.84	35.41	33.47	34.78	38.06
12	42.10	38.02	36.95	38.10	42.63	38.39	38.27	34.79	35.20	33.17	34.61	37.92
13	41.74	37.80	36.51	38.43	42.25	38.32	38.12	35.43	35.00	33.09	34.45	37.97
14	41.05	37.60	36.14	38.08	41.75	38.39	38.00	35.80	34.80	33.06	34.32	42.50
15	40.75	37.38	35.82	41.29	41.94 F	38.50	37.83	36.00	34.60	33.06	34.23	42.59
16	40.38	37.04	35.57	41.35	42.38		37.68	35.70	33.85	33.02	34.13	42.49
17	39.98	36.65	35.71	40.89	42.18		37.50	35.54	34.15	32.97	34.13	42.30
18	39.96	36.38	35.95	40.20	41.76 F	38.79	37.15	35.47	34.08	32.94	34.16	42.10
19	40.60	36.10	35.78	39.98	41.70	38.90	37.20	35.45	34.00	32.92	34.30	41.80
20	40.48	36.35	35.54	40.00	41.30	38.70	36.97	35.42	33.72	32.91	36.70	41.41
21	40.18	37.90	35.68	39.51	40.94	38.38	36.57	35.32	34.09	32.90	38.00	41.11
22	39.87	41.53	35.38	39.00	40.68	38.30	36.17	35.10	33.90	32.87	37.53	40.85
23	39.68	41.39	35.17	38.70	40.38	38.23	35.84	34.89	33.39	32.87	37.12	40.80
24	39.74	40.42	34.98	38.55	40.50	38.29	35.53	34.69	33.22	32.90	36.69	40.59
25	39.87	39.39	34.79	38.35	40.19	39.18	35.22	34.50	33.32	32.91	36.16	40.31
26	39.63	38.83	34.60	38.60	40.00	39.00	34.99	34.33	33.40	32.93	35.80	40.10
27	39.42	38.44	34.18	38.52	39.80	39.21	34.75	34.11	33.42	33.00	35.52	39.95
28	39.27	38.20	33.86	38.50	39.50	39.32	34.80	34.09	33.37	33.23	35.30	39.82
29	39.14	-----	34.85	41.02	39.30	39.11	34.65	34.00	33.35	33.36	35.10	39.60
30	38.99	-----	34.84	42.27	39.18	38.90	34.58	33.90	33.31	36.89	34.98	39.51
31	38.80	-----	34.73	-----	39.05	-----	34.44	34.30	-----	38.10	-----	39.39

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	39.70	38.49	36.23	37.82	41.18	38.59	37.08	34.49	34.51	33.40	35.59	40.00
MAX	42.10	41.53	38.04	42.27	43.24	39.32	38.77	36.00	36.13	38.10	38.00	42.59
MIN	36.39	36.10	33.86	33.61	39.05	38.20	34.44	33.30	33.22	32.87	34.13	35.01
DAYS	31	28	31	30	31	28	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 37.25.

HIGHEST STAGE WAS 43.30 AT 6:00 P.M. ON MAY 9.

LOWEST STAGE WAS 32.86 ON OCT 22.

DAILY STAGE FOR 1991  
BAYOU COCODRIE NEAR WHITEVILLE, LA.

LOCATION. LAT. 30-46-41, LONG. 92-11-26. ON HIGHWAY 29 BRIDGE (NEAR INTERSTATE 49), 2.7 MILES  
SOUTHWEST OF WHITEVILLE, LA. (STA. 6176012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1939. DAILY, JAN. 2, 1940 TO JUNE 30, 1942, AND MAR. 1,  
1946 TO DATE.

EXTREMES. HIGHEST, 42.3 FEET ON MAY 20, 1953. LOWEST, CHANNEL DRY ON OCT. 19, 1987.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.38	26.60	26.76	24.70	33.50	29.16	24.18		20.35			
2	20.99	25.41	26.18	24.03	33.15	28.30	23.13		20.00			F 30.48
3	30.20	24.24	28.80	23.15	32.70	27.04	23.87		19.97			32.67
4	31.18	23.47	28.31	21.80	32.60	25.29	22.75		20.48		F 22.67	32.32
5	30.45	28.60	27.70	20.60	32.40	23.72	23.90	F 17.84	20.79		21.53	31.29
6	29.45	29.90	26.81	19.85	32.64	23.33	26.17	18.18	21.27		20.40	30.19
7	28.82	28.69	25.30	19.42	32.60	23.64	25.11	17.89	21.19	F 17.23	19.77	29.09
8	28.78	27.54	23.77	19.31	33.45	22.85	24.82	17.89	22.19		19.47	27.80
9	28.17	26.19	22.97	20.75	34.44	22.40	26.16	17.82	22.01		19.17	26.09
10	30.55	24.57	22.27	20.61	34.80	22.12	26.44	17.90	21.03		18.87	26.35
11	33.42	23.39	21.70	20.31	34.80	22.60	24.92	18.90	20.13		18.62	26.76
12	33.70	22.72	21.23	26.40	34.60	23.40	23.68	19.84	19.73		18.48	26.00
13	33.52	22.33	20.75	28.02	34.33	23.24	22.89	20.10	19.39		18.34	25.19
14	33.00	22.04	20.39	27.59	34.07	22.79	22.31	20.49	19.09		18.22	33.92
15	32.70	21.73	19.98	32.62	34.09	22.67	21.80	F 21.08	18.89	F 17.38	18.12	34.28
16	32.50	21.34	19.69	32.74	34.32	22.73	21.48	22.09	18.45		17.98	34.11
17	31.98	20.85	20.50	32.35	34.30	22.52	21.25	21.90	18.56		17.88	33.80
18	31.40	20.51	21.22	31.99	34.23	24.79	20.78	21.18	18.33		18.07	33.45
19	32.32	20.52	21.06	31.75	34.04	24.79	20.85	20.60	18.19		18.50	33.20
20	32.22	24.28	20.41	31.30	33.70	23.81	20.67	20.17	17.96		25.30	32.90
21	31.78	28.90	20.23	30.70	33.50	23.88	20.41	19.80	18.24	F 16.97		32.49
22	31.08	33.55	19.80	29.90	33.15	23.19	20.09	19.54	18.18			32.00
23	30.33	33.65	19.49	29.28	32.49	22.98	19.73	19.26	17.85			31.44
24	30.05	32.79	19.25	28.69	32.44	23.20	19.42	18.90	17.80			31.00
25	30.39	31.11	19.10	27.83	31.62	28.44	19.20	18.75	17.88			30.31
26	29.98	30.00	18.90	27.10	31.50	27.40	18.98	18.58	18.33		F 20.33	29.69
27	29.23	29.10	18.80	26.84	30.80	27.90	18.95	18.38	18.45			28.89
28	28.35	28.00	18.20	26.64	30.20	28.38	18.85	18.20	17.92	F 17.43		28.00
29	27.29	-----	19.92	32.14	29.60	26.90	18.80	18.18	17.70	F 17.51		26.86
30	27.93	-----	24.20	33.40	29.70	25.49	18.55	18.15	17.66	23.10	-----	25.60
31	27.50	-----	24.99	-----	29.29	-----	F 18.50	18.81	-----		-----	24.53

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	30.02	26.14	22.28	26.73	32.87	24.63	21.89	19.27	19.27	18.27	19.54	30.02
MAX	33.70	33.65	28.80	33.40	34.80	29.16	26.44	22.09	22.19	23.10	25.30	34.28
MIN	20.99	20.51	18.20	19.31	29.29	22.12	18.50	17.82	17.66	16.97	17.88	24.53
DAYS	31	28	31	30	31	30	31	27	30	6	18	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 330

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 24.84.

HIGHEST STAGE WAS 34.83 AT 11:00 A.M. ON MAY 10.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 16.97 ON OCT 21.

DAILY STAGE FOR 1991  
BAYOU BOEUF AT MEEKER, LA.

LOCATION. LAT. 31-02-25, LONG. 92-22-21. ON U. S. HIGHWAY 167 BRIDGE, ONE MILE SOUTH OF MEEKER, LA.  
(STA. 6180015.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. OCT. 22, 1954 TO DATE. FOR RECORDS FROM 1939 TO 1954, REFER TO GAGE AT LYLES,  
LA. (D-JJ).

EXTREMES. HIGHEST, 67.99 FEET ON DEC. 27, 1982. LOWEST, 58.28 FEET ON SEP. 29, 1956, AND OCT. 20,  
1963.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1952 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	61.12	61.32	61.41	62.49	63.60	62.12	61.31	60.01	61.32	60.47	61.84	60.83
2	61.06	61.22	63.19	62.25	63.48	62.00	61.23	59.97	61.30	60.42	62.00	62.38
3	62.75	61.14	63.47	62.02	63.36	61.73	61.27	59.92	61.12	60.39	61.91	62.81
4	63.02	61.06	63.15	61.75	63.91	61.48	61.23	59.93	61.12	60.38	61.72	62.80
5	62.73	61.86	62.70	61.47	65.23	61.28	61.48	59.91	61.13	60.42	61.44	62.45
6	62.39	61.64	62.31	61.26	65.77	61.52	62.04	59.88	61.29	60.50	61.18	62.12
7	62.41	61.57	61.99	61.13	65.31	61.28	61.94	59.83	61.29	60.58	61.01	61.83
8	62.47	61.41	61.68	61.23	65.35	61.14	61.88	59.83	61.35	60.63	60.92	61.54
9	62.24	61.26	61.43	61.53	65.55	61.03	62.22	59.86	61.37	60.66	60.83	61.32
10	62.91	61.15	61.25	61.55	65.37	60.95	62.23	60.08	61.18	60.68	60.81	61.93
11	64.31	61.07	61.12	61.51	65.16	61.32	61.91	60.39	61.04	60.70	60.77	62.17
12	64.35	61.01	61.05	62.63	64.93	61.36	61.55	60.89	60.94	60.70	60.74	62.07
13	64.04	60.99	61.00	62.73	64.67	61.25	61.34	61.06	60.84	60.70	60.68	63.94
14	63.62	60.98	60.95	62.51	64.36	61.19	61.19	61.14	60.71	60.71	60.64	66.36
15	63.39	60.92	60.91	64.05	64.48	61.13	61.08	61.29	60.63	60.72	60.63	65.88
16	63.08	60.88	60.89	63.86	64.20	61.13	61.03	61.71	60.57	60.65	60.59	65.37
17	62.70	60.87	60.97	63.43	63.74	61.02	61.00	61.68	60.53	60.50	60.58	64.90
18	62.33	60.90	61.11	63.42	63.35	61.00	60.89	61.49	60.45	60.34	60.71	64.42
19	62.82	61.20	61.12	63.09	63.17	61.34	60.78	61.42	60.43	60.21	60.73	63.89
20	62.76	61.95	61.07	62.74	62.83	61.08	60.71	61.18	60.41	60.12	62.22	63.33
21	62.51	62.37	61.00	62.49	62.52	61.21	60.65	60.99	60.38	60.02	62.01	62.74
22	62.24	62.80	60.94	62.30	62.31	61.20	60.58	60.92	60.38	59.94	61.75	62.19
23	61.97	62.66	60.91	62.46	62.07	61.27	60.46	60.83	60.35	59.89	61.53	61.79
24	61.93	62.35	60.83	62.26	62.06	61.84	60.31	60.75	60.33	59.85	61.30	61.61
25	62.04	62.07	60.79	62.42	61.74	62.39	60.15	60.67	60.51	59.92	61.08	61.42
26	62.00	61.83	60.75	62.02	61.92	62.21	60.04	60.60	60.77	59.98	60.92	61.21
27	61.85	61.61	60.72	61.86	61.63	62.22	59.93	60.53	60.80	60.00	60.78	61.06
28	61.66	61.49	60.72	61.91	61.43	61.94	59.89	60.46	60.70	60.09	60.68	60.95
29	61.49	-----	60.97	63.22	61.34	61.70	59.91	60.37	60.62	60.15	60.60	60.84
30	61.39	-----	62.44	63.64	61.55	61.50	59.96	60.26	60.53	60.62	60.59	60.75
31	61.40	-----	62.68	-----	61.82	-----	60.01	60.77	-----	61.28	-----	60.67

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	62.48	61.49	61.47	62.37	63.49	61.46	60.97	60.60	60.81	60.39	61.11	62.50
MAX	64.35	62.80	63.47	64.05	65.77	62.39	62.23	61.71	61.37	61.28	62.22	66.36
MIN	61.06	60.87	60.72	61.13	61.34	60.95	59.89	59.83	60.33	59.85	60.58	60.67
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 61.60.  
HIGHEST STAGE WAS 66.44 AT MIDNIGHT ON DEC 13.  
LOWEST STAGE WAS 59.81 ON AUG 7.

DAILY STAGE FOR 1991  
BAYOU TECHE AT PORT BARRE, LA.

LOCATION. LAT. 30-32-47, LONG. 91-58-03. ON U. S. HIGHWAY 190 BRIDGE (STA. 6405012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE KNOWN AS RANGE 16 FROM 1932 TO 1933, AND BAYOU TECHE AT HEAD FROM 1936 TO 1939. PRIOR TO JAN. 15, 1985 GAGE LOCATED 1.5 MILES UPSTREAM.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1933, AND 1936 TO 1937. DAILY, OCT. 1937 TO DATE.

EXTREMES. HIGHEST, 28.27 FEET ON MAY 24, 1953. LOWEST, 10.30 FEET ON OCT. 18, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.30	19.49	18.80	18.21	20.44	19.60	18.24	17.54	17.40	16.13	17.29	15.10
2	16.78	19.00	18.70	18.10	20.39	19.20	17.71	17.52	17.70	15.32	17.28	17.60
3	19.65	18.60	18.67	17.95	20.21	18.72	18.27	17.51	17.70	15.50	16.70	19.24
4	19.43	18.39	18.63	17.80	20.21	18.25	17.70	17.50	17.75	15.98	16.10	19.42
5	18.97	18.79	18.47	17.61	20.28	17.88	17.40	17.48	17.88	16.19	15.91	19.25
6	18.67	19.55	18.22	17.41	20.27	17.87	18.34	17.59	17.86	16.11	15.35	19.02
7	18.81	19.30	17.91	17.18	20.20	17.90	18.29	17.60	18.00	16.04	16.40	18.70
8	18.50	19.02	17.99	16.93	20.70	17.74	18.15	17.58	18.15	16.00	16.29	18.31
9	18.14	18.64	17.84	17.41	21.70	17.52	18.33	17.54	18.00	15.99	15.87	17.69
10	19.77	18.15	17.70	17.77	21.95	17.36	18.50	17.55	17.85	16.02	15.50	17.00
11	21.40	17.79	17.57	17.90	22.02	17.79	17.89	17.67	17.68	16.07	15.10	16.80
12	21.39	17.50	17.76	18.03	21.83	18.10	18.10	17.70	17.47	16.09	15.60	16.63
13	21.20	17.28	17.70	18.80	21.59	18.10	17.92	17.79	17.60	16.08	15.90	16.41
14	20.89	16.96	17.62	18.81	21.33	17.77	17.60	17.84	17.60	16.07	16.08	19.77
15	20.60	16.70	17.55	20.55	21.74	17.87	17.70	17.85	17.58	16.00	16.18	20.19
16	20.40	17.00	17.47	20.12	21.58	17.82	17.68	17.90	17.53	16.00	16.19	20.31
17	20.20	17.00	17.55	19.93	21.35	17.78	17.61	17.94	17.45	15.96	16.19	20.17
18	20.02	17.00	17.87	19.70	21.40	18.55	17.50	17.89	17.38	15.89	16.20	19.95
19	20.29	17.13	17.85	19.57	21.20	18.40	17.38	17.82	17.28	15.75	15.49	19.80
20	20.23	18.05	17.75	19.37	21.08	17.97	17.24	17.73	17.30	15.65	15.64	19.68
21	20.12	18.80	17.61	19.19	21.00	18.00	17.60	17.77	17.42	15.54	18.00	19.59
22	19.99	19.95	17.49	19.02	20.87	17.96	17.62	17.78	17.50	15.71	16.34	19.50
23	19.82	19.78	17.35	18.83	20.67	17.90	17.60	17.69	17.52	15.79	17.39	19.43
24	19.97	19.81	17.11	18.57	20.97	17.76	17.54	17.63	17.64	15.90	17.45	19.30
25	19.98	19.98	17.45	18.40	20.69	18.92	17.48	17.58	17.60	15.90	16.15	19.02
26	19.77	19.68	17.56	18.48	20.50	17.77	17.42	17.50	17.42	15.89	15.75	18.70
27	19.56	19.38	17.58	18.52	20.29	19.10	17.41	17.47	17.39	16.02	16.36	18.43
28	19.32	19.10	17.51	18.42	20.00	18.65	17.41	17.38	17.29	15.80	16.59	18.18
29	19.07	-----	17.63	19.70	19.98	18.98	17.38	17.41	17.12	15.20	16.51	17.75
30	20.09	-----	18.16	20.40	19.99	18.67	17.49	17.50	16.99	16.09	15.22	17.30
31	19.84	-----	18.23	-----	19.97	-----	17.53	17.62	-----	18.41	-----	16.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	19.68	18.51	17.85	18.62	20.85	18.20	17.75	17.64	17.57	15.97	16.24	18.55
MAX	21.40	19.98	18.80	20.55	22.02	19.60	18.50	17.94	18.15	18.41	18.00	20.31
MIN	16.78	16.70	17.11	16.93	19.97	17.36	17.24	17.38	16.99	15.20	15.10	15.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 18.12.  
HIGHEST STAGE WAS 22.10 AT 1:00 P.M. ON MAY 10.  
LOWEST STAGE WAS 15.00 ON NOV 30.

DAILY STAGE FOR 1991  
BAYOU TECHE AT ARNAUDVILLE, LA.

LOCATION. LAT. 30-23-50, LONG. 91-55 40. ON STATE HIGHWAY 31 BRIDGE, 270 FEET UPSTREAM FROM BAYOU FUSILIER. (STA. 6410012C.)

GAGE. AUTOMATIC RECORDER.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE FEB. 1953.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO 1943. DAILY, NOV. 2, 1943 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1943. DISCHARGE, 1946 TO 1956, OBSERVED BY CORPS OF ENGINEERS. COMPUTED DAILY, BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 24.27 FEET ON MAY 23, 1953. LOWEST, 6.78 FEET ON OCT. 28, 1956.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.79	15.75	15.10	14.46	16.52	16.29	14.64	13.91	13.97	13.07	14.20	12.34
2	13.88	15.27	15.10	14.33	16.13	15.56	14.37	13.91	14.01	12.57	13.91	13.00
3	17.15	14.93	14.94	14.21	15.85	15.08	15.05	13.90	14.05	12.53	13.48	15.49
4	17.01	14.71	14.81	14.10	15.87	14.68	14.48	13.88	14.07	12.78	13.08	15.40
5	16.27	15.75	14.69	13.98	15.84	14.35	14.24	13.86	14.15	13.00	12.86	15.24
6	15.65	16.30	14.54	13.85	15.74	14.31	14.65	13.92	14.24	12.97	12.60	15.08
7	15.66	15.81	14.36	13.69	15.64	14.59	14.90	13.97	14.49	12.92	12.99	14.88
8	15.08	15.34	14.3*	13.54	17.23	14.27	14.93	13.94	14.73	12.90	13.05	14.57
9	14.61	14.99	14.22	13.70	18.97	14.02	14.75	13.92	14.54	12.89	12.81	14.20
10	17.14	14.64	14.12	13.90	20.09	13.94	14.69	13.91	14.25	12.92	12.54	13.77
11	19.75	14.32	14.05	14.00	20.54	14.33	14.41	13.97	14.05	12.96	12.35	13.54
12	19.70	14.10	14.12	14.10	20.10	14.56	14.36	14.02	13.91	12.97	12.57	13.43
13	19.77	13.92	14.10	14.55	19.46	14.52	14.27	14.06	13.91	12.96	12.83	13.45
14	18.41	13.71	14.05	15.12	18.75	14.31	14.15	14.10	13.93	12.94	12.96	15.46
15	17.71	13.52	14.00	17.26	18.96	14.22	14.08	14.25	13.92	12.92	13.05	15.82
16	17.09	13.60	13.98	16.98	19.34	14.18	14.06	14.27	13.89	12.88	13.08	15.87
17	16.51	13.74	14.13	16.39	18.96	14.22	13.99	14.19	13.86	12.85	13.08	15.81
18	16.10	13.77	14.21	16.34	18.85	15.30	13.93	14.15	13.81	12.80	12.98	15.66
19	16.54	14.18	14.23	15.97	18.27	15.07	13.86	14.10	13.73	12.71	12.64	15.52
20	16.24	16.55	14.17	15.44	17.76	14.66	13.79	14.04	13.69	12.62	12.95	15.43
21	15.86	17.63	14.08	15.15	17.44	14.77	13.97	14.04	13.77	12.57	13.98	15.38
22	15.69	17.89	14.02	14.98	16.99	14.56	14.00	14.05	13.85	12.73	13.55	15.33
23	15.57	17.36	13.92	14.85	16.60	14.49	13.98	13.99	13.89	12.78	13.81	15.29
24	15.99	16.77	13.79	14.66	17.36	14.68	13.95	13.94	13.95	12.81	13.81	15.21
25	16.12	16.19	13.89	14.53	16.97	15.72	13.90	13.90	13.96	12.81	13.20	15.00
26	15.74	15.68	14.01	14.66	16.41	15.12	13.86	13.86	13.84	12.82	12.86	14.91
27	15.50	15.36	14.04	14.81	16.04	15.32	13.84	13.84	13.77	13.32	13.01	14.73
28	15.34	15.14	14.02	14.76	15.93	15.32	13.83	13.81	13.71	13.03	13.28	14.55
29	15.27	-----	14.09	16.01	16.05	15.16	13.80	13.83	13.61	12.54	13.28	14.29
30	16.51	-----	14.31	16.84	16.10	14.95	13.86	14.02	13.50	13.17	12.70	13.97
31	16.34	-----	14.46	-----	16.82	-----	13.90	14.30	-----	14.25	-----	13.67

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.37	15.25	14.25	14.91	17.47	14.75	14.21	14.00	13.97	12.90	13.12	14.72
MAX	19.75	17.89	15.10	17.26	20.54	16.29	15.05	14.30	14.73	14.25	14.20	15.87
MIN	13.79	13.52	13.79	13.54	15.64	13.94	13.79	13.81	13.50	12.53	12.35	12.34
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 14.66.  
HIGHEST STAGE WAS 20.64 AT 12:30 A.M. ON MAY 11.  
LOWEST STAGE WAS 12.31 ON NOV 11.

DAILY STAGE FOR 1991  
RUTH CANAL AT RUTH, LA. (EAST)

LOCATION. LAT. 30-14-33, LONG. 91-53-02. ABOUT 100 FEET UPSTREAM FROM CONTROL STRUCTURE, 0.4 MILE BELOW JUNCTION WITH BAYOU TECHE. (STA. 6415012C.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO JAN. 21, 1947 REFER TO GAGE LOCATED ON OLD STATE HIGHWAY 25 (PRESENTLY HIGHWAY 31) BRIDGE, 600 FEET UPSTREAM

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1933 AND 1937 TO 1945. DAILY, MAY 1945 TO DATE.

EXTREMES. HIGHEST, 18.4 FEET ON AUG 13 AND 15, 1940. LOWEST, 5.2 FEET ON OCT. 27, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.86	10.93	10.58	10.14	10.64	10.91	9.78	8.93	8.96	8.66	10.20	9.32
2	9.76	10.65	10.73	9.20	10.48	10.66	9.58	8.92	8.94	9.14	9.68	9.50
3	10.93	10.48	10.53	9.18	10.34	10.20	9.76	8.95	9.00	9.32	9.81	10.43
4	11.25	10.31	10.44	9.08	10.21	10.16	9.69	8.94	8.98	9.34	9.73	10.52
5	11.01	12.00	10.42	9.02	10.40	9.87	9.58	8.93	9.17	9.45	9.60	10.48
6	10.78	11.13	10.32	8.97	10.20	9.76	9.79	9.00	9.40	9.37	9.53	10.37
7	10.79	10.97	10.20	8.93	10.02	9.78	10.90	9.07	9.39	9.42	9.53	10.33
8	10.58	10.74	10.14	8.91	11.81	9.62	10.36	9.04	9.61	9.44	9.60	10.16
9	10.33	10.56	10.08	8.90	12.18	9.48	10.01	9.01	9.53	9.43	9.58	10.02
10	11.81	10.35	10.06	8.93	12.82	9.44	9.92	8.98	9.38	9.47	9.34	9.88
11	13.29	10.17	10.03	8.97	12.98	9.65	9.77	9.02	9.20	9.46	9.27	9.76
12	12.82	10.12	10.02	9.01	12.73	9.90	9.72	9.13	9.10	9.48	9.34	9.73
13	12.58	10.01	10.04	9.20	12.55	9.81	9.62	9.17	9.04	9.49	9.49	9.74
14	12.32	9.97	10.00	9.26	12.23	9.71	9.48	9.14	9.01	9.46	9.52	10.20
15	12.18	9.70	9.99	11.20	12.74	9.57	9.41	9.03	9.00	9.42	9.58	10.60
16	11.63	9.78	10.13	10.87	12.50	9.42	9.37	9.14	8.99	9.42	9.59	10.68
17	11.34	9.87	10.22	10.58	12.34	9.38	9.20	9.17	8.97	9.42	9.60	10.66
18	11.16	9.93	10.11	11.17	12.50	10.37	9.19	9.09	8.94	9.41	9.59	10.60
19	11.34	9.97	10.10	10.56	12.01	10.13	9.12	9.04	8.90	9.42	9.34	10.51
20	11.16	11.34	10.09	10.35	11.80	9.85	9.03	9.00	8.87	9.36	9.55	10.47
21	10.96	12.00	10.03	10.12	11.74	10.11	9.10	8.97	8.88	9.35	9.80	10.35
22	10.82	12.04	10.04	10.00	11.35	10.00	9.13	8.96	8.98	9.37	9.89	10.44
23	10.76	11.82	10.02	9.84	11.19	9.82	9.12	8.95	8.92	9.40	9.77	10.46
24	11.00	11.42	9.97	9.63	11.92	9.90	9.03	8.93	8.95	9.47	9.84	10.42
25	11.04	11.23	9.96	9.56	11.50	10.23	8.93	8.91	8.91	9.43	9.69	10.34
26	13.90	10.92	9.98	9.83	10.35	10.12	8.94	8.92	8.82	9.41	9.58	10.29
27	10.78	10.73	10.02	9.94	10.86	9.98	8.98	8.94	8.87	11.17	9.54	10.20
28	10.80	10.61	10.03	9.80	10.77	10.09	8.92	8.85	8.82	10.10	9.60	10.15
29	10.54	-----	10.07	10.04	10.75	9.98	8.84	8.73	7.99	9.61	9.62	10.02
30	11.00	-----	10.07	10.74	10.70	9.84	8.87	8.82	8.78	9.78	9.99	9.94
31	11.10	-----	10.12	-----	10.93	-----	8.86	9.04	-----	10.00	-----	9.88

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.28	10.71	10.15	9.73	11.47	9.92	9.42	8.99	9.01	9.50	9.63	10.21
MAX	13.90	12.04	10.73	11.20	12.98	10.91	10.90	9.17	9.61	11.17	10.20	10.68
MIN	9.76	9.70	9.96	8.90	10.02	9.38	8.84	8.73	7.99	8.66	9.27	9.32
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 10.00.

HIGHEST STAGE WAS 13.90 ON JAN 26.

LOWEST STAGE WAS 7.99 ON SEP 29.

DAILY STAGE FOR 1991  
BAYOU TECHE AT KEYSTONE LOCK (LA.) (UPPER)

LOCATION. LAT. 30-04-15, LONG. 91-49-44. UPSTREAM SIDE OF LOCK AND DAM, ON WEST FENDER, 3.8 MILES SOUTH OF ST. MARTINVILLE, LA. (STA. 6420012D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1989.

RECORDS AVAILABLE. STAGE, JULY 1, 1913 TO DATE. DISCHARGE, COMPUTED DAILY, IN REPORTS OF U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 24.30 FEET ON MAY 27, 1927. LOWEST, 0.75 FOOT ON JULY 18, 1918.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.36	10.74	10.72	10.41	10.71	10.71	10.39	10.11	10.14	10.04	10.48	10.12
2	10.34	10.66	10.79	10.18	10.65	10.63	10.32	10.11	10.13	10.05	10.44	10.16
3	10.71	10.59	10.70	10.15	10.59	10.53	10.36	10.11	10.15	10.12	10.37	10.49
4	10.86	10.55	10.58	10.12	10.55	10.45	10.37	10.11	10.16	10.15	10.29	10.59
5	10.81	11.09	10.54	10.09	10.64	10.38	10.35	10.11	10.20	10.20	10.24	10.58
6	10.73	10.86	10.53	10.06	10.55	10.33	10.63	10.12	10.27	10.19	10.20	10.55
7	10.72	10.76	10.50	10.02	10.51	10.34	10.78	10.14	10.30	10.19	10.20	10.52
8	10.64	10.68	10.47	10.01	11.05	10.32	10.67	10.15	10.35	10.20	10.26	10.48
9	10.55	10.61	10.45	10.02	11.26	10.26	10.49	10.13	10.31	10.20	10.22	10.44
10	11.31	10.55	10.43	10.07	11.35	10.25	10.46	10.13	10.26	10.21	10.16	10.37
11	11.62	10.49	10.41	10.10	11.34	10.35	10.40	10.15	10.21	10.22	10.12	10.31
12	11.35	10.45	10.42	10.11	11.28	10.40	10.34	10.19	10.19	10.22	10.11	10.28
13	11.27	10.42	10.43	10.17	11.21	10.38	10.31	10.17	10.16	10.23	10.15	10.29
14	11.18	10.39	10.41	10.37	11.12	10.35	10.27	10.17	10.15	10.22	10.19	10.49
15	11.14	10.34	10.39	10.94	11.26	10.28	10.24	10.17	10.16	10.22	10.21	10.63
16	11.00	10.32	10.41	10.77	11.21	10.26	10.24	10.20	10.14	10.21	10.22	10.66
17	10.89	10.33	10.56	10.69	11.19	10.36	10.21	10.18	10.13	10.21	10.22	10.67
18	10.89	10.35	10.47	10.92	11.22	10.73	10.17	10.17	10.11	10.21	10.21	10.65
19	10.92	10.64	10.44	10.70	11.08	10.59	10.15	10.16	10.11	10.20	10.17	10.62
20	10.83	11.04	10.43	10.58	11.02	10.45	10.14	10.14	10.08	10.19	10.20	10.60
21	10.77	11.22	10.42	10.49	10.98	10.57	10.15	10.14	10.08	10.18	10.29	10.59
22	10.71	11.17	10.41	10.44	10.87	10.49	10.18	10.14	10.11	10.18	10.34	10.58
23	10.70	11.03	10.41	10.40	10.85	10.44	10.18	10.14	10.12	10.28	10.31	10.58
24	10.84	10.93	10.38	10.36	11.10	10.48	10.17	10.12	10.13	10.25	10.33	10.56
25	10.80	10.84	10.37	10.32	10.90	10.57	10.12	10.12	10.14	10.22	10.29	10.54
26	10.73	10.75	10.39	10.47	10.79	10.53	10.11	10.11	10.11	10.22	10.20	10.53
27	10.74	10.68	10.41	10.45	10.75	10.56	10.11	10.10	10.09	10.56	10.19	10.50
28	10.72	10.63	10.41	10.40	10.71	10.60	10.11	10.09	10.09	10.53	10.23	10.48
29	10.63	-----	10.43	10.71	10.65	10.49	10.10	10.07	10.08	10.29	10.25	10.45
30	10.73	-----	10.43	10.74	10.64	10.45	10.10	10.08	10.07	10.30	10.21	10.41
31	10.80	-----	10.45	-----	10.69	-----	10.11	10.16	-----	10.40	-----	10.36

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.85	10.68	10.47	10.38	10.93	10.45	10.28	10.14	10.16	10.23	10.24	10.49
MAX	11.62	11.22	10.79	10.94	11.35	10.73	10.78	10.20	10.35	10.56	10.48	10.67
MIN	10.34	10.32	10.37	10.01	10.51	10.25	10.10	10.07	10.07	10.04	10.11	10.12
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 10.44.

HIGHEST STAGE WAS 11.92 AT 12:30 A.M. ON JAN 11.

LOWEST STAGE WAS 9.96 ON APR 7.

DAILY STAGE FOR 1991  
BAYOU TECHE AT KEYSTONE LOCK (LA.) (LOWER)

LOCATION. LAT. 30-04-13, LONG. 91-49-42. DOWNSTREAM SIDE OF LOCK AND DAM, ON WEST FENDER,  
3.8 MILES SOUTH OF ST. MARTINVILLE, LA. (STA. 6425012D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1909.

RECORDS AVAILABLE. JULY 1, 1913 TO DATE.

EXTREMES. HIGHEST, 24.30 FEET (GATES OPEN) ON MAY 27, 1927. LOWEST, MINUS 0.7 FOOT ON SEP. 22,  
1913.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					6.37		4.11	2.82	3.51	3.01	5.09	3.39
2					6.14		3.78	2.95	3.48	3.20	4.53	3.45
3				3.27	5.77		3.75	3.12	3.57	3.37	3.95	4.30
4				3.35	5.88		3.86	3.21	3.76	3.47	3.42	4.62
5				3.26	6.21		3.86	3.38	4.23	3.58	3.32	4.57
6		7.41		3.16	5.69	4.71	6.01	3.57	4.52	3.29	3.34	4.57
7		6.51		3.13	5.29	4.63	7.85	3.45	4.13	2.98	3.35	4.52
8				3.35	9.02	4.43	7.78	3.49	4.15	3.16	3.49	4.39
9				3.30	9.78	4.30	6.70	3.46	3.83	3.27	3.14	4.22
10				3.24	9.67	4.34	6.31	3.52	3.67	3.26	2.90	3.96
11				3.27	9.24	4.68	5.58	3.34	3.59	3.22	2.83	3.69
12				3.59	8.89	5.12	5.04	3.68	3.59	3.23	2.80	3.56
13				3.89	8.56	5.05	4.65	3.68	3.49	3.18	2.85	3.57
14				4.68	8.32	4.79	4.21	3.26	3.47	3.17	3.11	4.47
15				7.82	9.39	4.50	3.97	3.38	3.49	3.15	3.39	4.82
16				6.45	9.36	4.26	4.53	3.44	3.41	3.02	3.44	4.85
17				5.94	8.99	4.20	3.95	3.44	3.25	2.97	3.57	4.94
18				6.95	9.23	5.77	3.59	3.48	3.15	3.07	3.70	5.00
19				6.21	8.77	5.71	3.47	3.34	3.10	3.03	3.77	4.92
20				5.63		4.81	3.37	3.12	2.78	2.99	3.95	4.74
21				5.09		4.87	3.40	3.02	2.75	3.03	3.95	4.45
22				4.68		4.86	3.50	3.02	2.87	3.09	3.99	4.34
23				4.40		4.92	3.55	3.02	3.25	3.49	3.90	4.34
24				4.11		4.72	3.48	3.06	3.40	3.89	3.66	4.18
25				4.12		5.17	3.38	3.01	3.45	3.69	3.38	4.02
26				6.04		4.71	3.27	2.95	3.03	3.73	3.17	4.20
27				5.67		4.74	3.21	3.03	2.86	5.04	3.17	4.20
28				5.16		5.48	3.17	3.04	2.80	5.81	3.29	4.10
29		-----		6.94		4.88	3.02	3.03	2.94	4.86	3.45	3.93
30		-----		6.96		4.51	2.89	3.10	3.01	5.22	3.53	3.84
31		-----		-----		-----	2.86	3.39	-----	4.99	-----	3.81

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN		6.96		4.77	7.92	4.81	4.26	3.25	3.42	3.56	3.51	4.26
MAX		7.41		7.82	9.78	5.77	7.85	3.68	4.52	5.81	5.09	5.00
MIN		6.51		3.13	5.29	4.20	2.86	2.82	2.75	2.97	2.80	3.39
DAYS	0	2	0	28	19	25	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 258

THE MEAN STAGE FOR THE YEAR WAS 4.27.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 10.17 AT 4:00 P.M. ON MAY 15.

LOWEST STAGE WAS 2.73 ON SEP 21.

DAILY STAGE FOR 1991  
CHARENTON DRAINAGE CANAL NEAR FLOODGATE (LA.)

LOCATION. LAT. 29-53-30, LONG. 91-31-32. IN CHARENTON DRAINAGE CANAL WEST OF FLOODGATE.  
(STA. 6440013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO NOV. 1970 GAGE WAS LOCATED ABOUT 200 FEET NORTH OF PRESENT LOCATION.

RECORDS AVAILABLE. JAN. 1943 TO NOV. 1945, AND APR. 1946 TO DATE.

EXTREMES. HIGHEST, 7.3 FEET ON JUNE 8, 1953. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.43 FEET  
ON DEC. 22, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.05	2.36	1.79	1.00	3.20	3.52	1.71	0.66	1.57	1.34	2.54	1.35
2	1.14	2.28	1.97	1.00	3.17	3.34	1.49	1.05	1.61	1.60	1.72	1.27
3	1.29	2.15	2.17	1.17	3.12	3.12	1.42	1.24	1.67	1.56	1.41	1.36
4	1.21	2.00	1.63	1.40	3.17	2.86	1.43	1.35	1.77	1.61	0.79	0.74
5	1.35	2.16	1.44	1.29	3.07	2.56	1.51	1.34	1.88	1.57	0.82	0.67
6	1.35	2.27	1.55	1.23	2.98	2.25	2.06	1.19	2.00	0.60	1.10	0.99
7	1.24	2.18	1.33	1.18	2.80	2.17	2.38	1.30	1.99	0.61	1.20	1.03
8	0.79	1.99	1.21	1.50	3.39	2.14	2.64	1.28	1.87	0.99	1.14	1.10
9	0.80	1.76	0.95	1.51	3.79	2.27	2.59	1.36	1.73	1.14	0.40	1.13
10	1.62	1.54	0.54	1.35	3.98	2.37	2.55	1.29	1.77	1.13	0.63	0.81
11	2.50	1.22	0.84	1.35	3.96	2.47	2.37	0.97	1.77	1.10	0.63	0.92
12	2.56	1.12	1.10	1.72	3.94	2.63	2.15	0.83	1.87	1.16	0.73	1.00
13	2.48	1.24	1.30	1.93	3.90	2.67	1.91	0.68	1.84	1.09	0.74	1.15
14	2.51	1.29	0.99	2.26	3.93	2.56	1.63	0.77	1.81	1.16	0.96	1.20
15	2.73	0.95	0.73	2.67	4.37	2.40	1.29	1.17	1.86	1.02	1.23	0.63
16	2.63	0.32	1.08	2.77	4.40	2.25	1.27	1.17	1.77	0.79	1.20	0.62
17	2.52	1.07	1.88	2.71	4.27	2.06	0.96	1.33	1.57	0.82	1.31	0.96
18	2.46	1.26	1.84	2.76	4.34	1.90	0.97	1.40	1.55	0.93	1.42	1.08
19	2.62	1.39	1.55	2.70	4.31	1.95	1.09	1.12	1.47	0.85	1.60	0.97
20	2.47	1.99	1.75	2.55	4.30	1.85	1.14	0.95	0.82	0.95	1.88	1.40
21	2.35	2.09	1.64	2.16	4.26	1.76	1.28	0.97	0.90	0.89	1.45	1.85
22	2.06	2.50	1.76	2.04	4.21	1.75	1.34	0.87	1.16	1.03	1.34	1.70
23	2.02	2.36	1.76	2.14	4.19	1.71	1.40	0.94	1.33	1.23	1.48	1.89
24	2.25	2.17	1.33	1.89	4.27	1.69	1.27	0.96	1.49	1.59	0.57	1.55
25	2.16	2.06	1.12	2.14	4.31	1.66	1.25	0.95	1.30	1.66	0.55	1.22
26	2.21	1.85	1.31	2.49	4.32	1.66	1.19	0.91	0.87	1.79	0.75	1.24
27	2.17	1.69	1.65	2.85	4.19	1.82	1.08	1.08	0.67	1.96	0.97	1.06
28	2.40	1.65	1.75	2.86	3.90	1.85	1.06	1.15	0.88	2.24	0.99	0.94
29	2.44	-----	2.20	3.34	3.93	1.94	0.83	1.17	1.17	2.30	1.13	0.65
30	2.54	-----	1.50	3.19	3.74	1.85	0.65	1.23	1.30	2.67	1.24	0.81
31	2.41	-----	1.18	-----	3.67	-----	0.66	1.42	-----	2.44	-----	0.87

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.01	1.75	1.45	2.04	3.85	2.23	1.50	1.10	1.51	1.35	1.13	1.10
MAX	2.73	2.50	2.20	3.34	4.40	3.52	2.64	1.42	2.00	2.67	2.54	1.89
MIN	0.79	0.32	0.54	1.00	2.80	1.66	0.65	0.66	0.67	0.60	0.40	0.62
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.75.

HIGHEST STAGE WAS 4.40 AT 7:30 A.M. ON MAY 16 AND LATER DATE(S).

LOWEST STAGE WAS 0.15 ON NOV 9.

DAILY STAGE FOR 1991  
CHARENTON DRAINAGE CANAL AT BALDWIN, LA.

LOCATION. LAT. 29-49-23, LONG. 91-32-30. ABOUT 35 FEET SOUTHWEST OF SOUTHERN PACIFIC RAILROAD BRIDGE. (STA. 6445013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1981 GAGE ZERO WAS MINUS 0.26 FOOT NGVD.

RECORDS AVAILABLE. AUG. 15, 1941 TO DATE.

EXTREMES. HIGHEST 5.16 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, (FROM INCOMPLETE RECORD), MINUS 1.82 FEET ON DEC. 22, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.80	1.69	1.67	0.90	2.70	2.76	1.70	1.10	1.90	1.60	1.95	1.05
2	1.00	1.73	1.84	1.00	2.64	2.54	1.46	1.42	2.01	1.91	0.55	1.10
3	1.00	1.64	1.70	1.30	2.65	2.31	1.51	1.50	2.00	1.67	0.52	0.55
4	0.90	1.47	0.55	1.35	2.64	2.13	1.54	1.63	2.05	1.70	-0.07	0.00
5	1.30	2.01	1.06	1.14	2.60	1.70	1.68	1.59	2.24	1.45	0.49	0.44
6	1.20	1.44	1.24	0.96	1.75	1.57	2.39	1.25	2.17	-0.12	0.86	0.84
7	0.78	1.14	0.89	1.00	1.80	2.11	2.24	1.61	1.92	0.49	1.00	0.80
8	0.25	0.89	0.60	1.34	2.76	2.10	2.25	1.64	1.66	0.96	0.42	1.00
9	0.44	0.79	0.37	1.18	3.03	2.49	2.13	1.60	1.56	1.08	0.15	1.09
10	1.49	0.75	0.14	0.92	3.02	2.73	2.14	1.40	1.68	1.00	0.60	0.62
11	1.97	0.59	0.62	1.22	2.94	2.73	2.10	1.13	1.64	0.98	0.55	0.90
12	1.34	0.66	0.90	1.80	2.90	2.75	1.86	1.01	1.76	1.13	0.67	1.05
13	1.30	1.13	1.04	2.03	3.05	2.69	1.69	0.91	1.75	1.04	0.69	1.35
14	1.60	0.91	0.55	2.44	3.09	2.54	1.54	1.14	1.77	1.20	1.07	0.74
15	2.14	0.31	0.55	2.36	3.65	2.35	1.40	1.77	1.97	0.87	1.22	0.04
16	1.56	0.31	1.45	2.58	3.40	2.16	1.11	1.16	1.77	0.70	1.13	0.25
17	1.62	1.54	2.04	2.27	3.00	1.94	0.94	1.42	1.55	1.26	1.20	0.61
18	1.82	1.44	1.76	2.63	3.06	1.64	0.99	1.49	1.63	0.95	1.35	0.60
19	2.07	1.63	1.42	2.17	2.99	1.66	1.25	1.09	1.34	0.75	1.26	0.60
20	1.89	1.01	1.82	1.72	2.95	1.49	1.30	1.00	0.72	0.95	1.45	1.33
21	1.14	1.14	1.35	1.14	2.78	1.63	1.50	1.07	0.95	0.77	0.84	1.75
22	1.05	1.61	1.67	1.55	2.89	1.67	1.69	1.05	1.29	0.87	0.95	1.45
23	1.24	0.96	1.11	1.54	3.15	1.59	1.64	1.23	1.34	1.05	1.14	1.72
24	1.40	1.04	0.63	1.45	3.31	1.70	1.42	1.10	1.40	1.56	-0.16	0.96
25	1.20	1.09	0.74	2.10	3.30	1.65	1.45	1.14	0.74	1.59	0.40	1.10
26	1.34	0.71	1.05	2.75	3.25	1.63	1.39	1.05	0.82	1.74	0.80	1.35
27	1.37	1.06	1.80	3.00	3.21	1.80	1.30	1.14	0.49	2.20	1.13	0.92
28	1.79	1.30	1.63	3.04	3.21	1.72	1.22	1.35	1.00	2.55	1.07	0.73
29	1.90	-----	2.30	3.10	3.14	1.87	0.82	1.37	1.40	2.58	1.16	0.32
30	2.07	-----	0.72	2.65	3.00	1.82	0.77	1.37	1.60	2.90	1.00	0.55
31	1.35	-----	0.75	-----	3.09	-----	0.83	1.78	-----	2.60	-----	0.51

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.37	1.14	1.16	1.82	2.93	2.05	1.52	1.31	1.54	1.35	0.85	0.85
MAX	2.14	2.01	2.30	3.10	3.65	2.76	2.39	1.78	2.24	2.90	1.95	1.75
MIN	0.25	0.31	0.14	0.90	1.75	1.49	0.77	0.91	0.49	-0.12	-0.16	0.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 1.49.  
HIGHEST STAGE WAS 3.67 AT 7:30 A.M. ON MAY 15.  
LOWEST STAGE WAS MINUS 0.38 ON NOV 24.

DAILY STAGE FOR 1991  
HANSON CANAL AT HANSON LOCK (LA.) (NORTH)

LOCATION. LAT. 29-46-17, LONG. 91-29-01. ON HIGHWAY 183 BRIDGE SOUTHEAST OF FRANKLIN, LA.  
(STA. 6455010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. DAILY, NOV. 18, 1923 TO SEP. 19, 1951. INTERMITTENTLY, 1951 TO DATE.

DAY	STAGE IN FEET											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2	2.30			2.10			2.19			2.80		
3												1.75
4						4.00			2.90			
5		3.22	2.30								1.60	
6								2.20				
7					3.10							
8	1.90									1.90		
9				2.50			3.39					
10									2.75			
11												2.30
12			2.15			3.72					1.75	
13		2.30						2.05				
14												
15	3.35			3.30						1.40		
16												
17							2.05		2.55			2.10
18						2.95						
19		2.40	2.65								2.25	
20												
21					4.05			2.24				
22										1.90		
23				3.10			2.80					
24									2.40			2.30
25												
26		2.20	2.40								2.20	
27						2.80		2.40				
28					4.20							
29	3.60	-----								3.40		
30		-----		4.02								
31		-----		-----		-----		-----		-----		2.20

DAILY STAGE FOR 1991  
BAYOU TECHE AT WEST CALUMET FLOODGATE (LA.)

LOCATION. LAT. 29-42-13, LONG. 91-22-31. IN CHANNEL ON SOUTHWEST END OF FLOODGATE, 0.8 MILE NORTHWEST OF CALUMET, LA. (STA. 6465010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. SEP. 12, 1951 TO DATE.

EXTREMES. HIGHEST, 4.65 FEET ON APR. 17, 1973. LOWEST, MINUS 2.25 FEET ON DEC. 6, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.14 FOOT, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.65	2.45	1.92	1.30	3.00	3.05	2.04		2.34	1.97	1.75	1.60
2	1.76	2.35	2.23	1.66	3.00	2.84	1.57		2.49	2.44	0.89	1.53
3	1.65	2.21	2.05	1.75	2.93	2.63	1.56		2.37	2.09	0.67	1.40
4	1.52	2.07	1.51	1.82	2.87	2.42	1.65		2.47	1.95	0.39	1.20
5	1.76	2.37	1.65	1.70	2.81	2.23	2.02		2.62	1.65	0.96	1.57
6	1.59	2.35	1.90	1.55	2.78	1.99	2.43 F	1.80	2.49	0.07	1.27	1.80
7	1.61	2.23	1.70	1.80	2.43	2.16	2.50	2.13	2.33	0.70	1.49	1.80
8	1.36	1.95	1.90	1.95	3.19	2.43	2.66	2.25	1.95	1.33	1.02	2.05
9	1.60	1.85	1.90	1.86	3.75	2.41	2.57	2.39	1.89	1.20	0.99	2.22
10	2.05	1.88	1.95	1.75	3.61	2.50	2.40	2.03	2.11	1.13	1.20	1.74
11	2.64	1.78	1.90	1.90	3.46	2.67 F	2.31	1.70	1.90	1.15	1.17	1.75
12	2.50	1.77	1.85	2.05	3.37	2.75		1.65	2.15	1.35	1.31	1.70
13	2.17	2.00	1.83	2.22	3.32	2.65		1.55	2.19	1.29	1.35	1.75
14	2.34	1.85	1.65	2.44	3.22	2.55		1.75	2.09	1.50	1.71	1.76
15	2.77	1.50	1.40	2.65	3.30	2.44		1.99	2.35	1.11	1.70	1.30
16	2.55	1.00	1.40	2.60	3.37	2.33		1.56	2.18	0.90	1.60	1.42
17	2.39	1.85	2.36	2.57	3.34	2.12		1.86	1.84	1.58	1.60	1.72
18	2.45	1.55	2.09	2.60	3.35	2.15		1.97	1.93	1.16	1.55	1.74
19	2.56	1.50	1.85	2.59	3.42	2.25		1.55	1.84	0.90	1.49	1.75
20	2.23	2.14	2.15	2.54	3.44	2.02		1.45	1.17	1.15	1.83	2.05
21	2.22	1.95	1.82	2.16	3.33	2.00		1.55	1.45	0.87	1.16	2.40
22	1.84	2.60	1.96	2.25	3.39	2.00		1.45	1.55	0.95	1.40	2.10
23	2.00	2.33	2.05	2.44	3.42	2.12	2.30	1.70	1.53	1.07	1.56	2.38
24	2.44	2.15	1.65	2.15	3.54	1.95	2.09	1.51	1.58	1.70	0.72	1.86
25	2.24	2.15	1.54	2.50	3.58	1.85	2.00	1.55	1.09	1.70	1.37	1.45
26	2.40	1.86	1.80	3.07	3.52	1.80	1.37	1.60	1.07	1.87	1.77	1.55
27	2.34	1.90	2.12	3.18	3.45	1.75	1.25	1.65	0.74	2.35	1.90	1.54
28	2.63	2.02	2.15	3.15	3.29	2.09		1.84	1.41	2.85	1.70	1.58
29	2.90	-----	2.59	3.20	3.22	1.84		1.73	1.79	2.89	1.77	1.45
30	2.95	-----	1.79	3.29	3.14	1.85		1.80	2.05	3.00	1.58	1.67
31	2.75	-----	1.65	-----	3.16	-----		2.15	-----	2.70	-----	1.69

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.19	1.99	1.86	2.29	3.26	2.26	2.04	1.78	1.90	1.57	1.36	1.73
MAX	2.95	2.60	2.59	3.29	3.75	3.05	2.66	2.39	2.62	3.00	1.90	2.40
MIN	1.36	1.00	1.40	1.30	2.43	1.75	1.25	1.45	0.74	0.07	0.39	1.20
DAYS	31	28	31	30	31	30	16	26	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 345

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.02.

HIGHEST STAGE WAS 3.77 AT 9:45 A.M. ON MAY 9.

LOWEST STAGE WAS MINUS 0.22 ON OCT 6.

## DAILY STAGE FOR 1991

## BAYOU TECHE AT EAST CALUMET FLOODGATE (LA.)

LOCATION. LAT. 29-42-08, LONG. 91-22-07. IN CHANNEL ON SOUTHEAST END OF FLOODGATE, 0.2 MILE NORTH OF CALUMET, LA. (STA. 6470010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS MINUS 0.14 FOOT, NGVD.

RECORDS AVAILABLE. SEP. 13, 1951 TO DATE.

EXTREMES. HIGHEST, 5.08 FEET ON OCT. 3, 1964. LOWEST, MINUS 2.34 FEET ON DEC. 23, 1953. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.33	3.45	2.95	2.62	3.41	2.97	2.78	1.71		1.98	1.69	1.74
2	2.36	3.36	3.14	2.60	3.47	2.96	2.77	2.14		2.42	0.96	1.67
3	2.36	3.31	3.14	2.59	3.43	2.94	2.69	1.90		2.03	0.73	1.65
4	2.39	3.26	3.10	2.57	3.34	2.90	2.64	2.05	2.55	1.97	0.45	1.37
5	2.40	3.66	3.06	2.57	3.33	2.86	2.47	2.03	2.72	1.73	0.96	1.78
6	2.40	3.54	2.97	2.55	3.28	2.85	2.75	1.84	2.47	0.17	1.24	1.92
7	2.43	3.40	2.96	2.56	3.24	2.83	2.82	2.15	2.30	0.77	1.39	1.84
8	2.43	3.34	2.95	2.58	3.80	2.80	2.85	2.15	1.94	1.58	0.99	2.09
9	2.43	3.27	2.93	2.59	3.86	2.79	2.70	2.09	1.94	1.47	0.89	2.23
10	2.50	3.23	2.92	2.60	4.14	2.81	2.71	1.89	2.05	1.27	1.05	2.05
11	3.05	3.17	2.86	2.70	3.90	3.10	2.53	1.46	1.94	1.13	1.00	1.84
12	3.05	3.13	2.85	2.68	3.69	3.08	2.75	1.39	2.20	1.40 F	1.32	1.84
13	3.04	3.08	2.82	2.67	3.35	3.10	2.34 F	0.97	2.36	1.30	1.44	1.86
14	3.01	3.04	2.81	2.69	3.19	3.06	2.39		2.08	1.53	1.78	1.89
15	3.11	2.97	2.82	2.83	3.29	3.00	2.25		2.40	1.10	1.76	1.93
16	3.10	2.96	2.78	2.83	3.26	2.96	1.83		2.15	0.93	1.67	1.92
17	3.07	2.90	2.94	3.04	3.17	2.94	1.67		1.94	1.64	1.60	1.89
18	3.07	2.87	2.92	3.16	3.14	3.03	1.72		1.97	1.14	1.60	1.91
19	3.21	2.88	2.90	3.17	3.17	3.19	2.05		2.00	0.86	1.47	1.97
20	3.18	2.85	2.87	3.13	3.13	3.10	2.00		0.81	1.14	1.78	1.98
21	3.15	2.94	2.85	3.10	3.09	3.08	2.20 F	1.75	1.44	0.86	1.19	1.96
22	3.12	3.37	2.84	3.06	3.13	2.99	2.54		1.79	0.85	1.38	1.99
23	3.09	3.31	2.80	3.03	3.06	2.94	2.30		1.80	0.90	1.58	2.00
24	3.40	3.24	2.78	3.00	2.97	2.91	2.10		1.80	1.56	0.72	2.05
25	3.42	3.20	2.77	2.99	2.96	2.90	2.15		1.42	1.63	1.38	2.06
26	3.34	3.16	2.75	3.10	3.04	2.91	2.09		1.21	1.79	1.68	2.06
27	3.29	3.10	2.72	3.36	3.03	2.86	2.00		1.14	2.19	1.96	2.14
28	3.32	3.06	2.72	3.36	3.00	2.89	1.86		1.54	2.67	1.76	2.12
29	3.50	-----	2.70	3.32	2.99	2.85	1.44		1.80	2.77	1.83	2.14
30	3.64	-----	2.68	3.52	2.95	2.82	1.45		1.94	2.97	1.73	2.15
31	3.59	-----	2.65	-----	3.02	-----	1.55		-----	2.67	-----	2.17

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.96	3.18	2.87	2.89	3.28	2.95	2.27	1.82	1.91	1.56	1.37	1.94
MAX	3.64	3.66	3.14	3.52	4.14	3.19	2.85	2.15	2.72	2.97	1.96	2.23
MIN	2.33	2.85	2.65	2.55	2.95	2.79	1.44	0.97	0.81	0.17	0.45	1.37
DAYS	31	28	31	30	31	30	31	14	27	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 345

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.45.

HIGHEST STAGE WAS 4.29 AT 1:30 P.M. ON MAY 9.

LOWEST STAGE WAS 0.12 ON OCT 6.

DAILY STAGE FOR 1991  
BAYOU VERMILION AT TONTONS BRIDGE (LA.)

LOCATION. LAT. 30-21-00, LONG. 91-58-53. ON HIGHWAY 726 BRIDGE, NORTHEAST OF CARENCRO, LA. (STA. 6715012C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 6, 1947 TO AUG. 24, 1973 AND MAY 2, 1974 TO DATE.

EXTREMES. HIGHEST, 21.70 FEET ON APR. 21, 1977. LOWEST, MINUS 0.35 FOOT ON DEC. 7, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.33	12.15	9.58	5.79	13.49	14.40	8.83	5.62	6.78	5.33	10.34	4.54
2	5.14	10.87	11.60	5.93	12.50	13.00	9.03	5.63	6.35	4.86	9.69	4.65
3	15.14	9.65	10.66	6.05		11.79	10.54	5.67	6.35	4.61	7.82	12.39
4	14.85	8.59	9.66	6.11		10.74	10.36	5.66	6.37	4.70	6.54	11.00
5	13.74	13.40	8.85	5.96		9.87	9.38	5.64	7.15	4.96	5.66	9.35
6	12.57	14.55	8.24	5.82		9.40	9.54	8.53	7.75	4.84	5.25	7.91
7	13.47	13.24	7.68	5.68		11.51	8.83	8.33	9.75	4.71	5.01	7.10
8	11.74	11.74	7.18	5.69		10.12	12.55	7.61	11.31	4.78	5.23	6.58
9	9.89	10.50	6.81			8.89	11.70	6.74	10.44	4.86	4.97	6.21
10	15.35	9.34	6.47			8.36	10.33	6.20	9.10	4.75	4.64	5.94
11	18.46	8.37	6.22 F	5.80		10.92	9.43	6.07	7.98	4.76	4.42	5.78
12	18.39	7.60	6.17			10.63	8.83	8.09	7.20	4.75	4.25	5.45
13	17.57	7.02	6.20			9.59	8.39	8.61	6.64	4.73	4.44	5.25
14	16.60	6.60	6.03			9.43	7.94	7.39	6.35	4.72	4.69	11.55
15	15.82	6.09	5.85 F	5.40		8.34	7.51	6.62	6.16	4.70	4.98	11.44
16	15.14	5.64	5.88	11.31		7.76	8.52	7.10	6.05	4.64	4.90	10.31
17	14.30	5.75	7.85	12.38		7.34	7.37	6.59	6.01	4.65	5.01	9.33
18	13.36	5.87	8.24	14.77		9.64	6.79	6.36	5.85	4.70	5.17	8.40
19	14.66	5.87	7.27	13.99		10.12	6.65	6.15	5.77	4.64	5.18	7.84
20	13.85	15.44	6.70	12.50		8.97	6.78	6.02	5.75	4.56	7.35	7.57
21	12.77	16.58	6.40	11.09	15.67	11.54	8.48	5.96	5.62	4.49	8.70	7.54
22	11.89	16.65	6.28	9.94	14.90	10.30	7.99	5.92	5.71	4.51	6.95	7.40
23	11.13	15.68	5.97	9.17	14.10	10.15	7.11	5.89	5.79	4.86	5.87	7.25
24	11.20	14.64	5.60	8.55	15.44	9.21	6.50	5.80	5.84	7.74	5.61	7.13
25	13.29	13.67	5.35	8.04	14.80	12.94	6.13	5.70	5.99	5.87	5.15	6.86
26	11.95	12.55	5.49	7.85	13.90	12.65	5.94	5.64	5.78	5.17	4.65	6.63
27	10.86	11.44	5.65	11.09	13.11	11.29	6.11	5.60	5.60	5.10	4.64	6.38
28	10.24	10.40	5.72	10.10	13.25	11.71	5.85	5.60	5.49	11.50	4.82	6.20
29	9.67	-----	5.90	12.65	13.20	10.80	5.70	5.60	5.45	8.64	4.92	5.98
30	13.37	-----	5.97	14.41	12.32	9.81	5.60	5.63	5.44	7.67	4.89	5.69
31	13.44	-----	5.85	-----	15.62	-----	5.61	7.57	-----	9.87	-----	5.49

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.07	10.71	7.01	9.04	14.02	10.37	8.07	6.44	6.73	5.51	5.72	7.46
MAX	18.46	16.65	11.60	14.77	15.67	14.40	12.55	8.61	11.31	11.50	10.34	12.39
MIN	5.14	5.64	5.35	5.40	12.32	7.34	5.60	5.60	5.44	4.49	4.25	4.54
DAYS	31	28	31	25	13	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 342

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.39.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 18.58 AT 5:00 P.M. ON JAN 11.

LOWEST STAGE WAS 4.23 ON NOV 12.

DAILY STAGE FOR 1991  
BAYOU VERMILION AT LONG BRIDGE, LA.

LOCATION. LAT. 30-14-25, LONG. 91-57-49. ON HIGHWAY 94 BRIDGE, EAST OF LAFAYETTE, LA.  
(STA. 6722512C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1933. DAILY, OCT. 1937 TO DATE.

EXTREMES. HIGHEST, 20.4 FEET ON AUG. 15, 1940. LOWEST, MINUS 1.04 FEET ON DEC. 6, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.18	8.50	8.16	3.04	9.11	10.64	7.54	4.04	4.85	4.20	7.75	3.64
2	3.30	8.13	8.52	3.99	8.89	10.32	7.24	4.15	4.65	3.94	7.27	3.46
3	7.64	7.61	8.51	4.44	8.68	9.90	7.40	4.22	4.86	3.49	6.21	6.64
4	8.02	6.90	8.07	4.64	8.39	9.44	7.38	4.15	4.90	3.51	5.20	6.31
5	7.93	9.34	7.50	4.47	8.37	8.94	7.48	4.10	6.08	3.51	4.47	5.64
6	7.65	9.30	6.85	4.39	8.09	8.52	7.70	4.96	6.59	2.78	4.24	5.24
7	8.22	9.19	6.24	4.34	7.64	8.59	7.58	5.34	6.71	2.84	4.02	4.73
8	7.84	8.84	5.67	4.56	10.84	8.27	9.15	5.25	7.50	3.42	3.85	4.37
9	7.17	8.38	5.10	4.37	11.30	7.72	9.17	4.87	7.20	3.53	2.97	4.12
10	10.62	7.76	4.53	4.21	12.00	7.37	8.89	4.60	6.64	3.34	3.00	3.47
11	11.98	7.07	4.26	4.27	11.72	8.39	8.44	4.36	6.21	3.19	2.95	3.51
12	11.57	6.35	4.20	4.64	11.59	8.26	8.01	5.56	5.87	3.24	2.92	3.52
13	11.64	5.80	4.07	4.86	11.67	7.94	7.59	5.74	5.43	3.07	2.83	3.54
14	11.57	5.27	3.48	5.14	11.84	7.89	7.15	5.31	5.15	3.16	3.22	5.82
15	11.48	4.66	3.07	9.56	12.46	7.31	6.61	4.95	4.95	2.96	3.59	6.40
16	11.28	3.89	3.54	8.99	12.60	6.72	6.78	5.00	4.75	2.96	3.33	5.94
17	11.01	4.27	5.45	8.85	12.57	6.26	6.14	4.84	4.72	2.94	3.55	5.58
18	10.66	4.15	5.39	9.77	12.57	8.00	5.67	4.74	4.49	3.09	3.71	5.12
19	10.84	4.22	4.62	9.60	12.44	8.17	5.45	4.51	4.56	2.99	3.84	4.74
20	10.66	9.13	4.49	9.33	12.21	7.75	5.27	4.30	4.27	2.93	4.76	4.80
21	10.33	10.09	4.41	8.85	12.09	8.46	5.55	4.20	4.16	2.99	5.30	5.02
22	9.91	10.30	4.54	8.38	11.84	8.26	5.65	4.15	4.34	3.08	4.57	4.69
23	9.49	10.24	4.38	7.91	11.54	8.40	5.36	4.13	4.45	3.35	4.06	4.56
24	9.28	10.10	3.71	7.40	11.87	8.04	4.94	4.16	4.33	4.57	3.08	4.18
25	9.55	9.87	3.44	6.92	11.72	8.66	4.66	4.07	4.57	4.28	2.75	3.65
26	9.25	9.52	3.75	7.00	11.45	8.84	4.50	4.04	4.11	4.12	3.05	3.75
27	8.83	9.10	4.13	8.32	11.12	8.55	4.53	4.08	4.13	4.90	3.49	3.64
28	8.64	8.62	3.87	8.00	10.97	8.51	4.37	4.13	4.04	8.52	3.30	3.55
29	8.22	-----	4.37	8.94	10.75	8.46	4.19	4.14	4.14	7.29	3.48	3.18
30	8.69	-----	3.64	9.20	10.42	8.07	4.04	4.12	4.17	7.11	3.67	3.39
31	8.75	-----	3.26	-----	10.77	-----	4.05	4.57	-----	7.69	-----	3.44

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.20	7.74	5.01	6.61	10.95	8.35	6.40	4.54	5.10	3.97	4.01	4.50
MAX	11.98	10.30	8.52	9.77	12.60	10.64	9.17	5.74	7.50	8.52	7.75	6.64
MIN	3.18	3.89	3.07	3.04	7.64	6.26	4.04	4.04	4.04	2.78	2.75	3.18
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 6.36.

HIGHEST STAGE WAS 12.62 AT 4:30 P.M. ON MAY 17.

LOWEST STAGE WAS 2.40 ON NOV 12 AND LATER DATE(S).

DAILY STAGE FOR 1991  
RUTH CANAL AT RUTH, LA. (WEST)

LOCATION. LAT. 30-14-34, LONG. 91-53-05. ABOUT 250 FEET DOWNSTREAM FROM CONTROL STRUCTURE, 0.45 MILE BELOW JUNCTION WITH BAYOU TECHE. (STA. 6730012C.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. ZERO OF GAGE IN 1946 WAS AT M.L.G.

RECORDS AVAILABLE. INTERMITTENTLY, 1945. DAILY, JAN. 1938 TO DEC. 1944 AND JAN. 1946 TO DATE.

EXTREMES. HIGHEST, 18.5 FEET FROM AUG. 14 TO 16, 1940. LOWEST, 0.00 FOOT ON DEC. 4, 1967.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.77	7.32	7.23	2.51	8.00	9.53	7.00	4.64	4.97	4.64	6.68	3.01
2	3.01	7.14	7.45	4.78	7.98	9.32	6.63	4.67	4.85	3.44	4.06	2.90
3	6.24	6.65	7.44	4.90	7.81	8.98	6.71	4.68	4.99	3.21	5.08	5.49
4	6.47	6.02	7.07	4.92	7.60	8.78	6.62	4.70	5.02	3.03	4.31	5.04
5	6.41	7.69	6.47	4.82	7.51	8.33	6.84	4.65	5.62	3.05	3.85	4.70
6	8.24	7.98	5.90	4.80	7.33	7.94	6.90	5.08	5.98	2.58	3.50	4.30
7	6.82	7.94	5.35	4.80	6.94	7.64	7.81	5.23	6.03	2.65	3.30	4.00
8	6.57	7.76	4.82	4.88	8.85	7.34	8.00	5.17	6.57	2.98	3.29	3.67
9	6.01	7.37	4.20	4.79	9.33	7.00	8.09	5.00	6.38	2.99	2.66	3.50
10	8.63	6.70	3.76	4.77	10.04	6.89	7.99	4.85	6.12	2.96	2.72	2.85
11	9.41	6.03	3.55	4.82	10.63	7.36	7.65	4.83	5.75	2.86	2.32	2.88
12	9.70	5.56	3.44	4.96	10.85	7.21	7.21	5.35	5.54	2.82	1.52	2.86
13	10.02	5.00	3.24	5.06	10.92	7.25	7.00	5.40	5.33	2.83	2.42	2.98
14	10.08	4.50	2.76	5.23	10.77	7.12	6.53	5.18	5.15	2.91	2.74	4.80
15	10.10	3.80	2.59	8.33	10.99	6.76	6.29	5.04	5.03	2.68	2.95	5.23
16	10.00	3.21	2.93	7.68	11.11	6.18	6.27	5.03	4.94	2.74	2.78	4.87
17	9.78	3.58	4.49	7.62	11.13	6.00	5.78	4.98	4.92	2.79	2.97	4.50
18	9.55	3.46	4.30	8.30	11.18	7.12	5.54	4.91	4.80	2.75	3.10	4.14
19	9.59	3.50	3.83	8.32	11.04	7.21	5.38	4.80	4.85	2.68	3.21	3.80
20	9.42	7.73	3.56	8.24	11.00	6.94	5.22	4.73	4.74	2.67	4.03	3.98
21	9.12	8.25	3.61	7.93	10.87	7.30	5.46	4.68	4.66	2.70	4.22	4.17
22	9.00	8.62	3.74	7.72	10.64	7.38	5.43	4.65	4.82	2.80	3.77	3.82
23	8.57	8.74	3.58	7.23	10.45	7.47	5.29	4.66	4.78	2.98	3.40	3.77
24	8.43	8.73	2.90	6.80	10.64	7.39	5.04	4.67	4.82	3.89	2.43	3.37
25	8.38	8.61	2.72	6.49	10.54	7.57	4.85	4.63	4.79	3.62	2.54	2.98
26	8.23	8.42	3.00	6.65	10.13	7.74	4.78	4.61	4.62	3.53	2.61	3.04
27	7.87	8.07	3.30	7.34	10.08	7.62	4.83	4.63	4.64	8.43	2.92	2.99
28	7.76	7.67	3.23	7.27	9.92	7.58	4.74	4.62	4.65	7.22	2.67	2.90
29	7.30	-----	3.58	7.45	9.74	7.48	4.65	4.63	4.72	6.37	2.89	2.53
30	7.42	-----	2.81	7.97	9.57	7.18	4.63	4.64	4.65	6.89	3.04	2.71
31	7.40	-----	2.65	-----	9.55	-----	4.62	4.79	-----	6.70	-----	2.79

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.01	6.64	4.18	6.25	9.78	7.53	6.12	4.84	5.16	3.69	3.27	3.70
MAX	10.10	8.74	7.45	8.33	11.18	9.53	8.09	5.40	6.57	8.43	6.68	5.49
MIN	2.77	3.21	2.59	2.51	6.94	6.00	4.62	4.61	4.62	2.58	1.52	2.53
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 5.76.  
HIGHEST STAGE WAS 11.18 ON MAY 18.  
LOWEST STAGE WAS 1.52 ON NOV 12.

DAILY STAGE FOR 1991  
VERMILION RIVER AT LAFAYETTE, LA.

LOCATION. LAT. 30-13-00, LONG. 91-59-35. ON SURREY AVENUE BRIDGE. (STA. 6737512C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1967. ZERO OF GAGE PRIOR TO 1968 WAS AT M.L.G. FROM 1969 TO 1981 GAGE ZERO WAS MINUS 1.53 FEET M.L.G. GAGE ZERO OF PUBLISHED REPORTS FOR 1982 THROUGH 1988 SHOULD BE CORRECTED TO MINUS 2.07 FEET M.L.G.

RECORDS AVAILABLE. FEB. 10, 1961 TO DATE. FOR RECORDS 1941 TO 1960, REFER TO GAGE PIN HOOK BRIDGE (V-A), 2.2 MILES DOWNSTREAM.

EXTREMES. HIGHEST, 15.02 FEET ON MAY 17, 1980. ESTIMATED LOWEST, 0.6 FOOT ON NOV. 3, 1966.

MEAN DAILY STAGE IN FEET

GAGE ZERO, MINUS 2.07 FEET, M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.24	8.67	8.81			10.65	8.15	4.83		5.16	8.38	4.72
2	4.56	8.45	8.91	4.99		10.45	7.86	5.01		5.04	7.70	4.94
3	7.04	8.08	8.98	5.51		10.20	7.82	5.07		4.77	6.92	6.57
4	7.41	7.56	8.43	5.63	8.90	9.88	7.78	5.05		4.83	6.03	6.33
5	7.45	9.67	8.01	5.44	8.85	9.50		5.12		4.66		6.04
6	7.70	9.59	7.61	5.37	8.56	9.11		5.57		3.76	5.11	5.86
7	8.12	9.38	7.00	5.40	8.18	9.01		5.90		4.00	5.06	5.46
8	7.81	9.16	6.45	5.61	10.75	8.77		5.88		4.57	4.76	5.18
9	7.46	8.82	5.89	5.39	11.93	8.44	9.63	5.70		4.57	3.92	4.96
10	10.95	8.35	5.34	5.20	12.11	8.63	9.37	5.39		4.34	4.03	4.35
11	12.42	7.77	5.22	5.41	12.11	9.09	8.97	5.54		4.14	3.92	4.45
12	11.62	7.19	5.19	5.85	11.99	8.88	8.57	6.20		4.18	3.90	
13	11.42	6.75	4.96	6.14	11.91	8.72	8.17	6.17		4.09	3.86	
14	11.29	6.20	4.35	6.97	11.83	8.47	7.72	5.87		4.16	4.30	
15	11.35	5.50	4.25	9.88	12.48	8.02	7.29	5.74		3.97	4.60	
16	11.22	4.93	5.06	8.96	12.65	7.56	7.21	5.67		4.01	4.48	
17	11.01	5.44	6.52	8.96	12.47	7.45	6.75	5.69		4.20	4.77	
18	10.97	5.27	6.11	9.64	12.38	8.67	6.37	5.51		4.29	4.94	
19	11.20	6.37	5.58	9.63	12.23	8.54	6.22	5.29	5.56	4.14	4.08	
20	10.85	9.54	5.58	9.50	12.11	8.42	6.04	5.09	5.09	4.16	5.85	
21	10.56	9.96	5.52	9.26	12.00	8.51	6.15	5.12	5.12	4.21	5.75	
22	10.25	10.01	5.70	8.98	11.83	8.66	6.27	5.00	5.31	4.35	5.30	
23	9.96	9.83	5.32	8.63	11.78	8.74	6.07	5.00	5.39	4.59	4.93	
24	9.95	9.75	4.65	8.17	12.01	8.65	5.70	5.03	5.47	5.43	3.81	
25	9.85	9.67	4.51		11.83	9.08	5.45	4.96	5.33	5.32	3.78	
26	9.60	9.48	4.86		11.61	9.07	5.32	4.91	4.87	5.27	4.22	
27	9.39	9.22	5.33		11.39	8.89	5.28	4.97	4.90	7.60	4.55	
28	9.30	8.89	5.12		11.27	9.09	5.14	4.98	4.91	8.69	4.37	
29	8.87	-----			11.02	9.05	4.92		5.13	8.13	4.59	
30	8.99	-----			10.87	8.59	4.78		5.22	8.68	4.75	
31	8.86	-----	-----	-----	10.83	-----	4.81	-----	-----	8.56	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.41	8.20	6.04	7.15	11.35	8.89	6.81	5.37	5.19	5.09	4.92	5.35
MAX	12.42	10.01	8.98	9.88	12.65	10.65	9.63	6.20	5.56	8.69	8.38	6.57
MIN	4.24	4.93	4.25	4.99	8.18	7.45	4.78	4.83	4.87	3.76	3.78	4.35
DAYS	31	28	28	23	28	30	27	28	12	31	29	11

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 306  
THE MEAN STAGE FOR THE YEAR WAS 7.17.  
HIGHEST STAGE WAS 13.05 AT 11:45 P.M. ON JAN 11.  
LOWEST STAGE WAS 3.38 ON NOV 24.

DAILY STAGE FOR 1991  
VERMILION RIVER AT BROUSSARD BRIDGE (LA.)

LOCATION. LAT. 30-08-30, LONG. 92-04-34. ON DOWNSTREAM SIDE OF HIGHWAY 733 BRIDGE, SOUTHWEST OF LAFAYETTE, LA. (STA. 6745012C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 17, 1948 TO DATE.

EXTREMES. HIGHEST, 16.33 FEET ON MAY 17, 1980. LOWEST, MINUS 1.70 FEET ON DEC. 6, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.06	4.50	5.07		5.39	6.35	4.42	2.41	4.03	3.68	6.00	3.03
2	3.24	4.62	5.45		5.22	6.02	4.22	3.10	4.02	3.92	4.14	3.10
3	4.23	4.35	6.57		5.34	5.77	4.17	3.30	4.23	3.69	3.75	3.65
4	3.73	4.07	4.47 F	3.77	5.30	5.48	4.26	3.32	4.27	3.70	2.95	2.74
5	4.02	8.90	4.00	2.93	5.80	5.13	4.78	3.21	5.47	3.34	3.25	3.15
6	4.08	6.91	4.05	3.01	4.94	4.89	6.56	3.09	5.81	1.67	3.40	3.35
7	5.45	5.37	3.40	3.05	4.26	5.45	7.36	3.13	4.92	2.63	3.30	2.95
8	3.91	4.88	3.35	3.55	10.72	5.35	7.39	3.12	5.57	3.53	2.68	2.90
9	3.95	4.62	2.89	3.26	10.69	5.15	6.60	2.92	4.55	3.25	1.67	2.85
10	10.84	4.33	2.37	2.94	10.65	6.35	5.88	2.69	4.44	3.02	2.50	2.19
11	12.15	3.99	2.94	3.65	8.72	6.86	5.15	2.35	4.33	2.75	2.30	2.64
12	9.37	3.77	3.25	4.15	7.43	5.90	4.77	3.64	4.30	2.99	2.39	3.19
13	7.71	4.00	2.99	4.25	7.00	5.26	4.44	3.50	4.03	2.91	2.35	3.27
14	6.85	3.40	2.20	4.25	6.87	5.02	3.98	3.06	4.07	3.00	2.91	3.96
15	7.29	2.53	2.64	8.64	10.00	4.67	3.64	3.50	4.12	2.70	3.57	2.92
16	6.90	1.57	3.00	5.41	10.10	4.28	3.77	3.36	3.95	2.94	3.25	3.00
17	6.33	3.65	4.80	5.09	8.41	3.90	3.47	3.65	3.73	3.21	3.50	3.30
18	6.26	3.09	3.52	7.38	8.04	6.82	3.55	3.52	3.70	3.19	3.52	3.13
19	8.40	3.32	4.72	5.89	7.62	5.29	3.75	3.15	3.80	2.95	3.48	3.34
20	6.60	7.85	3.05	5.39	7.64	5.13	3.65	3.02	2.36	3.06	4.19	4.39
21	6.00	8.75	3.15	4.93	7.52	4.70	3.70	3.14	3.02	2.94	3.28	4.68
22	5.40	7.49	3.66	4.96	7.26	4.80	3.69	3.05	3.44	3.10	3.36	3.72
23	5.46	5.53	3.25	5.00	7.13	5.06	3.68	3.11	3.44	3.24	3.27	3.87
24	5.83	5.16	2.45	4.40	8.16	4.66	3.25	3.14	3.64	4.02	1.30	2.70
25	6.05	5.25	2.54	4.60	7.66	5.84	2.65	3.11	2.99	3.95	2.52	2.60
26	5.53	4.85		7.00	7.13	5.50	2.54	3.02	2.48	4.05	3.22	2.66
27	5.31	4.79		7.16	6.82	4.79	2.51	3.04	2.95	10.00	3.31	2.70
28	6.24	4.84		5.80	7.12	5.97	2.44	2.92	3.16	5.95	2.90	2.45
29	5.30	-----		6.25	6.70	6.28	2.26	3.04	3.74	5.60	2.97	1.95
30	5.84	-----		6.20	6.35	4.95	2.21	3.01	3.83	8.09	3.00	2.59
31	4.97	-----	-----	-----	6.90	-----	2.36	3.87	-----	6.20	-----	2.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.01	4.87	3.51	4.92	7.38	5.39	4.10	3.14	3.95	3.85	3.14	3.08
MAX	12.15	8.90	6.57	8.64	10.72	6.86	7.39	3.87	5.81	10.00	6.00	4.68
MIN	3.06	1.57	2.20	2.93	4.26	3.90	2.21	2.35	2.36	1.67	1.30	1.95
DAYS	31	28	25	27	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 356

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.45.

HIGHEST STAGE WAS 13.19 AT 11:30 P.M. ON JAN 10.

LOWEST STAGE WAS 0.84 ON NOV 24.

DAILY STAGE FOR 1991  
VERMILION RIVER AT PERRY, LA.

LOCATION. LAT. 29-57-05, LONG. 92-09-28. ON STATE HIGHWAY 82 BRIDGE. (STA. 6783013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY. PRIOR TO NOV. 30, 1976 GAGE WAS MAINTAINED BY U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT. GAGE ZERO PRIOR TO 1976 WAS M.L.G. FROM 1976 THROUGH 1978 N.G.V.D. AND FROM 1979 THROUGH 1981 MINUS 2.95 FEET N.G.V.D. GAGE ZERO OF PUBLISHED REPORTS FOR 1982 THROUGH 1988 SHOULD BE CORRECTED TO MINUS 3.34 FEET N.G.V.D.

RECORDS AVAILABLE. NOV. 1971 TO DATE. FOR RECORDS FROM JUNE 1931 TO MAY 1971, REFER TO STATION NEAR ABBEVILLE, LA.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 12.05 ON MAY 17, 1980. LOWEST, MINUS 1.64 FEET ON JAN. 27, 1976.

MEAN DAILY STAGE IN FEET

GAGE ZERO, MINUS 3.34 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.39	4.69	5.78	3.92	5.97	4.99	4.89		5.16	4.94	5.63	5.00
2	1.50	4.98	6.04	4.57	5.85		4.85		5.46	5.14	4.32	4.85
3	1.46	4.83	6.09	5.28	6.14	4.26			5.78	5.01	4.19	3.96
4	1.26	4.81	4.13	5.11	6.14				6.47	5.24	3.74	3.34
5	1.65	7.45	4.80	4.77	6.09				5.87	4.60	4.48	4.36
6	1.64	6.46	4.69	4.82	4.98				5.44	3.61	4.71	4.72
7	1.47	4.92	4.52	5.07	5.09				5.26	4.30	4.74	7.45
8	3.07	4.46	4.18	5.22	7.56				5.15	4.92	3.72	4.48
9	4.63	4.40	3.84	4.86	8.93				5.20	4.69	3.06	4.42
10	8.80	4.37	3.78	4.64	8.37				4.80	4.35	3.96	3.91
11	10.05	4.23	4.57	5.33	7.34				4.92	4.15	3.90	4.34
12	8.44	4.42	4.73	5.90	6.14				4.06	4.25	3.98	4.54
13	6.88	4.93	4.23	6.21	5.67	5.99		4.10	4.45	4.21	4.04	4.76
14	5.93	4.17	3.63	6.38	5.77	5.71		4.31	4.87	4.28	4.69	4.10
15	6.49	3.05	4.29	7.26	7.23	5.58		4.82	4.98	4.01	4.82	3.55
16	5.50	3.93	5.46	6.14	7.92	5.28		4.53	5.12	4.31	4.81	4.12
17	5.28	5.21	5.98	5.69	6.70	5.00		4.76	4.62		5.16	4.52
18	5.99	5.06	4.70	6.13	6.19	6.32		4.54	3.91		5.24	4.30
19	6.74	5.70	4.80	5.83	6.09	5.50		4.26	4.29		5.24	4.76
20	5.51	6.81	5.23	5.21	6.04	5.22		4.17	4.39		5.12	5.77
21	4.67	7.15	5.24	5.03	5.73	4.94		4.24	4.78		4.26	5.77
22	4.62	6.38	5.66	5.61	5.69	4.97		4.24	4.91	4.55	4.62	4.96
23	5.16	4.56	4.72	5.28	5.80	5.07		4.40		4.83	4.34	4.92
24	5.58	4.73	4.19	5.16	6.13	4.97		4.46		5.36	2.55	3.74
25	5.36	4.84	4.47	5.58	5.89	5.42		4.43		5.39	3.68	4.09
26	5.15	4.15	5.01	7.43	5.44	5.26		4.38		5.46	4.52	4.36
27	5.35	4.63	5.50	7.93	4.88	5.15		4.56		6.50	4.74	4.37
28	5.77	5.09	5.31	7.02	4.78	6.14		4.50		6.58	4.54	4.05
29	5.48	-----	5.24	7.10	5.08	6.25		4.55		6.69	4.92	3.83
30	5.56	-----	3.80	6.37	5.16	5.26		4.48		7.63	4.98	4.52
31	4.36	-----	3.69	-----	5.41	-----		4.96	-----	6.75	-----	4.23

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.86	5.01	4.78	5.69	6.14	5.33	4.87	4.46	4.99	5.07	4.42	4.52
MAX	10.05	7.45	6.09	7.93	8.93	6.32	4.89	4.96	6.47	7.63	5.63	7.45
MIN	1.26	3.05	3.63	3.92	4.78	4.26	4.85	4.10	3.91	3.61	2.55	3.34
DAYS	31	28	31	30	31	21	2	19	22	26	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 302  
THE MEAN STAGE FOR THE YEAR WAS 5.04.  
HIGHEST STAGE WAS 10.54 AT 11:15 A.M. ON JAN 11.  
LOWEST STAGE WAS 0.95 ON DEC 31.

DAILY STAGE FOR 1991  
VERMILION RIVER NEAR BANCKER, LA.

LOCATION. LAT. 29-50-21, LONG. 92-07-36. ON RIGHT BANK, THREE MILES SOUTH OF BANCKER, LA.  
(STA. 6787513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 6, 1963 TO DATE.

EXTREMES. HIGHEST, 6.72 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. ESTIMATED LOWEST, MINUS  
2.20 FEET ON NOV. 2, 1966.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.20	2.49	3.43	1.60	3.45	3.40	2.63	1.90	3.55	3.09	2.82	2.46
2	2.94	2.71	3.25	1.94	3.10	2.89	2.34	2.80	3.56	3.44	1.30	2.35
3	2.39	2.13	2.44	2.65	3.53	2.45	2.56	2.62	3.70	3.20	1.70	1.33
4	2.04	2.00	0.62	2.25	3.30	2.03	2.52	2.83	3.73	3.25	1.14	0.80
5	2.70	3.10	1.58	1.95	3.15	1.93	2.85	2.93	3.85	2.82	2.29	2.17
6	2.05	2.31	1.86	1.96	1.57	1.84	4.26	2.84	3.76	1.35	2.50	2.53
7	1.79	1.64	1.34	1.96	2.23	3.61	3.46	3.06	3.54	2.37	2.61	2.22
8	0.92	1.31	1.31	2.24	3.65	3.80	3.59	3.01	3.22	3.00	1.53	2.47
9	1.56	1.47	1.09	2.24	3.72	4.16	3.44	2.89	3.00	2.60	1.25	2.49
10	3.46	1.57	1.08	1.91	4.12	4.64	3.15	2.40	3.37	2.19	2.18	1.76
11	3.77	1.47	1.83	3.10	3.73	4.20	2.87	1.90	3.25	2.07	1.89	2.35
12	2.68	1.74	2.10	3.64	3.59	4.00	2.71	2.12	3.37	2.24	2.07	2.45
13	2.36	2.55	1.88	3.89	3.62	3.56	2.35	1.96	3.30	2.34	2.05	2.52
14	2.72	1.80	1.35	3.87	3.65	3.30	1.85	2.36	3.24	2.40	2.71	1.76
15	3.37	0.95	2.26	3.74	3.85	3.09	1.58	3.25	3.47	1.99	2.67	0.82
16	1.96	1.55	3.14	3.72	4.00	2.84	1.97	2.50	3.35	2.43	2.49	1.39
17	2.34	3.37	3.94	3.11	3.37	2.57	1.76	3.00	3.04	2.88	2.74	1.77
18	3.19	2.79	2.57	3.10	3.25	2.59	2.11	2.89	3.14	2.70	2.70	1.65
19	3.40	2.77	2.20	2.63	3.35	2.44	2.43	2.42	3.16	2.23	2.60	2.34
20	2.29	2.17	2.59	1.99	3.43	2.44	2.76	2.48	1.87	2.48	2.62	3.50
21	1.35	2.09	1.79	1.60	3.05	2.74	3.10	2.62	2.72	2.23	1.84	3.70
22	1.20	2.40	2.50	2.42	3.68	3.03	3.25	2.56	3.04	2.41	2.35	2.72
23	1.71	1.15	1.78	2.41	4.10	3.02	3.15	2.60	2.98	2.60	2.35	2.95
24	2.16	1.69	1.25	2.51	4.20	2.99	2.69	2.65	3.13	3.24	0.54	1.52
25	1.75	1.90	1.70	3.57	4.12	2.96	2.40	2.57	1.70	3.41	2.05	2.35
26	2.08	1.04	2.40	3.88	3.94	2.74	2.35	2.43	2.10	3.49	2.90	2.35
27	2.17	2.15	3.53	3.12	3.86	2.75	2.12	2.75	2.05	3.90	2.97	1.96
28	2.74	2.89	3.09	3.35	3.84	3.26	2.00	2.60	2.70	4.54	2.46	1.57
29	2.85	-----	3.60	3.85	3.67	2.95	1.74	2.71	3.36	4.41	2.43	1.15
30	3.00	-----	0.85	3.54	3.59	2.79	1.55	2.60	3.44	4.49	2.38	1.81
31	1.42	-----	1.44	-----	3.80	-----	1.95	3.47	-----	4.08	-----	1.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.34	2.04	2.12	2.79	3.53	3.03	2.56	2.64	3.12	2.90	2.20	2.09
MAX	3.77	3.37	3.94	3.89	4.20	4.64	4.26	3.47	3.85	4.54	2.97	3.70
MIN	0.92	0.95	0.62	1.60	1.57	1.84	1.55	1.90	1.70	1.35	0.54	0.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.62.

HIGHEST STAGE WAS 4.76 AT 9:45 A.M. ON JUN 10 AND LATER DATE(S).

LOWEST STAGE WAS MINUS 0.14 ON NOV 24.

## DAILY STAGE FOR 1991

BAYOU MEZPIQUE NEAR BASILE, LA.

LOCATION. LAT. 30-28-50, LONG. 92-37-55. U. S. HIGHWAY 190 BRIDGE, TWO MILES WEST OF BASILE.  
(STA. 7007516.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 527  
SQUARE MILES.RECORDS AVAILABLE. STAGE, OCT. 1938 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DAILY  
DISCHARGE IS COMPUTED AND PUBLISHED BY U. S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 34.39 FEET ON MAY 20, 1953. LOWEST, 0.98 FOOT ON OCT. 18, 1987.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, 3.39 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.81	15.61	18.07	6.84	19.38	19.50	14.00	4.40	7.17	2.70	18.99	5.23
2	6.43	13.29	17.93	5.95	19.95	19.20	10.80	4.30	7.42	2.78	19.57	15.37
3	14.97	10.22	17.50	5.31	19.87	18.40	8.20	4.00	7.92	2.61	19.11	19.26
4	19.01	7.67	15.95	4.77	19.60	16.80	4.80	3.50	8.76	2.28	17.87	20.65
5	20.43	10.81	13.18	4.58	19.82	13.80	7.20	3.10	7.94	2.05	15.68	20.76
6	20.67	16.15	10.05	4.95	19.93	10.80	9.30	3.30	11.96	1.86	12.40	20.42
7	20.73	17.27	7.61	5.68	19.74	8.10	11.40	4.20	15.91	1.79	8.55	19.80
8	20.88	17.03	6.00	6.16	19.78	8.30	13.50	4.00	16.79	1.80	5.66	19.01
9	20.67	16.18	5.07	5.59	20.70	9.00	16.00	4.20	16.25	1.78	4.22	18.16
10	21.18	14.87	4.46	5.48	23.80	8.40	17.60	4.80	14.13	1.80	3.71	17.25
11	22.96	12.46	4.03	6.71	24.50	8.00	17.80	4.50	10.40	1.80	3.31	15.49
12	23.98	9.03	3.76	10.59	24.10	13.00	16.90	7.00	6.89	1.77	3.02	12.53
13	23.84	6.49	3.76	14.24	23.10	15.40	14.40	11.20	4.70	1.74	2.83	13.48
14	23.04	5.25	3.69	15.49	22.20	15.10	10.50	12.60	3.84	1.75	2.71	20.92
15	22.31	4.71	3.50	17.52	22.00	14.20	7.80	11.79	3.33	1.64	2.57	23.47
16	21.87	4.34	3.55	20.18	22.20	13.50	7.90	10.86	2.88	1.53	2.37	23.99
17	21.49	3.96	7.26	21.36	22.50	12.00	9.40	9.45	2.92	1.50	2.22	23.38
18	21.10	3.61	12.09	21.44	22.30	9.80	9.50	7.36	3.50	1.49	3.82	22.59
19	21.03	3.43	11.77	21.21	21.80	10.80	7.20	6.35	3.21	1.47	8.69	21.92
20	21.21	3.59	9.57	20.82	21.20	13.60	6.00	9.62	2.81	1.45	13.24	21.36
21	21.00	9.08	7.33	20.38	20.60	13.80	5.00	7.90	2.52	1.43	16.83	20.77
22	20.56	17.16	5.87	19.82	20.00	13.00	4.40	5.51	2.28	1.42	17.73	20.01
23	19.90	19.77	5.15	19.19	19.20	11.80	4.30	4.00	2.12	1.42	17.29	19.00
24	19.26	20.26	5.40	18.42	18.00	10.70	5.10	3.28	2.78	1.66	15.92	17.24
25	18.87	20.20	5.50	17.18	16.50	10.70	5.20	3.09	5.14	3.80	12.65	14.24
26	18.51	19.80	4.91	14.59	15.90	13.00	4.90	2.81	5.82	3.44	8.65	11.06
27	17.71	19.22	5.10	11.99	15.80	14.70	4.60	2.49	4.56	2.62	5.85	8.45
28	16.30	18.55	5.04	10.41	14.50	15.40	4.30	2.40	3.59	2.62	4.45	6.61
29	14.38	-----	5.33	10.66	13.50	16.00	4.20	3.18	3.21	2.74	3.90	5.61
30	15.64	-----	8.87	16.80	16.80	15.90	4.40	3.26	2.99	7.87	3.67	5.11
31	16.50	-----	8.40	-----	18.90	-----	4.20	5.12	-----	16.08	-----	4.84

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	19.14	12.14	7.93	12.81	19.94	13.09	8.74	5.60	6.46	2.67	9.25	16.39
MAX	23.98	20.26	18.07	21.44	24.50	19.50	17.80	12.60	16.79	16.08	19.57	23.99
MIN	6.43	3.43	3.50	4.58	13.50	8.00	4.20	2.40	2.12	1.42	2.22	4.84
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 11.18.  
 HIGHEST STAGE WAS 24.50 AT 8:00 A.M. ON MAY 11.  
 LOWEST STAGE WAS 1.41 ON OCT 23.

## DAILY STAGE FOR 1991

BAYOU DES CANNES NEAR EUNICE, LA.

LOCATION. LAT. 30-29-00, LONG. 92-29-25. U. S. HIGHWAY 190 BRIDGE, FOUR MILES WEST OF EUNICE.  
(STA. 7015016.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 131  
SQUARE MILES.RECORDS AVAILABLE. STAGE, OCT. 1938 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DAILY  
DISCHARGE IS COMPUTED AND PUBLISHED BY U. S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 22.36 FEET ON MAY 20, 1953. LOWEST NOT DETERMINED.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, 14.84 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.63	10.58	6.33	2.82	15.50	7.92	2.95	2.83	2.03		15.80	3.52
2	5.42	5.37	10.05	3.08	10.86	4.67	2.88	2.69	3.65		14.21	13.41
3	15.72	4.11	8.49	3.35	12.53	3.43	5.36	2.54	3.15		8.10	17.00
4	15.96	4.47	5.50	3.86	14.47	3.21	3.67	2.51	2.52		3.93	16.24
5	12.00	15.61	3.90	3.95	13.65	2.86	3.78	2.44	2.41		2.97	12.09
6	6.06	16.31	3.26	3.62	9.67	8.95	5.45	3.66	2.57		2.61	6.06
7	12.91	12.79	2.90	4.77	5.63	10.43	3.98	2.90	3.91		2.53	4.21
8	12.36	6.95	2.67	4.64	12.25	5.15	6.88	2.60	8.59		2.56	3.69
9	6.58	4.54	2.52	5.16	17.79	3.40	12.29	2.61	4.51		2.48	3.48
10	14.47	3.71	2.54	4.50	18.29	3.16	9.78	3.32	2.91		2.33	4.17
11	18.39	3.45	2.47	5.98	18.06	5.82	6.69	4.92	2.52		2.21	3.73
12	18.49	3.19	2.45	6.48	16.64	10.71	5.28	6.71	2.30			3.40
13	17.92	3.23	2.33	4.46	12.06	6.29	4.32	5.43	2.12			8.17
14	15.19	3.18	2.15	6.56	6.47	4.61	3.51	3.99	2.06			17.76
15	12.49	2.93	2.10	17.00	13.94	3.86	3.41	3.74	2.06			18.15
16	11.57	2.60	2.23	17.51	17.21	3.09	5.13	3.88	2.20			17.72
17	7.43	2.61	6.49	15.68	16.08	2.83	4.81	3.16	3.44		2.23	15.09
18	6.95	2.65	5.59	11.25	14.70	4.60	4.07	2.95	2.61		8.09	9.96
19	15.06	3.18	3.15	7.73	11.42	6.86	3.61	3.04	2.11		6.15	5.70
20	13.89	9.29	2.65	5.63	6.37	3.91	3.39	2.54	2.04		11.32	3.85
21	8.19	14.90	2.66	4.54	6.58	2.93	3.65	2.57	2.03		11.98	3.08
22	4.84	17.39	2.66	3.64	5.61	3.54	3.20	2.70			6.14	3.00
23	4.11	17.14	2.71	4.64	4.22	3.34	4.00	2.48		2.07	3.78	3.27
24	10.57	14.90	2.88	3.67	6.16	2.99	3.33	2.39		11.88	2.81	3.90
25	12.88	8.93	2.74	4.89	7.40	4.61	2.79	2.16		7.77	2.58	3.02
26	7.71	5.46	3.45	6.59	7.96	4.53	2.82	2.13	2.21	3.57	2.49	2.69
27	5.07	4.35	3.76	9.03	5.82	3.55	2.70	2.17	2.07	3.68	2.67	2.68
28	4.46	3.42	4.19	6.35	5.05	6.54	2.89	2.12		4.90	2.61	2.57
29	5.73	-----	7.49	11.46	9.95	4.82	2.67	2.09		6.33	2.55	2.50
30	15.99	-----	6.97	16.44	13.19	3.40	2.86	2.07		14.39	2.65	2.51
31	15.56	-----	4.09	-----	12.51	-----	2.85	2.04	-----	16.34	-----	2.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.86	7.40	3.98	6.98	11.23	4.87	4.35	3.01	2.87	7.88	5.11	7.07
MAX	18.49	17.39	10.05	17.51	18.29	10.71	12.29	6.71	8.59	16.34	15.80	18.15
MIN	2.63	2.60	2.10	2.82	4.22	2.83	2.67	2.04	2.03	2.07	2.21	2.50
DAYS	31	28	31	30	31	30	31	31	23	9	25	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 331

THE MEAN STAGE FOR THE YEAR WAS 6.29.

HIGHEST STAGE WAS 18.55 AT MIDNIGHT ON JAN 11.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1991

BAYOU PLAQUEMINE BRULE AT ESTERWOOD, LA.

LOCATION. LAT. 30-11-52, LONG. 92-27-48. ON INTAKE PIPE SUPPORT AT ESTERWOOD PUMPING PLANT.  
(STA. 7030016.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. AUG. 24, 1947 TO DATE.

EXTREMES. HIGHEST, 20.55 FEET (FROM WATERMARK) IN AUG. 1940. LOWEST, MINUS 2.1 FEET ON JULY 13, 1951 AND (FROM INCOMPLETE RECORD) ON MAY 31, 1978.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.9	5.5	4.0	3.1	6.3	5.9	4.2	3.3	3.8	3.2	4.6	3.6
2	3.0	4.7	5.0	3.2	5.7	5.4	4.2	3.4	3.7	3.4	4.3	3.6
3	5.0	4.6	5.0	3.0	4.9	5.1	4.0	3.2	3.6	3.4	4.0	4.7
4	5.7	4.4	4.3	3.2	4.9	4.9	3.9	3.3	3.9	3.3	3.9	4.4
5	5.7	6.3	4.0	3.3	5.0	4.8	3.9	3.3	3.8	3.3	3.8	3.7
6	5.1	7.0	4.2	3.2	4.8	4.9	4.0	3.2	4.0	3.0	3.8	4.0
7	5.2	6.9	4.0	3.3	4.6	4.8	4.0	3.3	4.3	3.2	3.8	4.0
8	4.4	6.1	3.7	3.3	7.1	4.8	4.9	3.2	4.2	3.1	3.6	3.9
9	4.0	4.9	3.5	3.2	7.1	4.5	4.7	3.2	4.3	3.0	3.5	3.8
10	5.0	4.5	3.4	3.2	8.3	4.2	4.7	3.2	4.1	2.9	3.4	3.8
11	8.4	4.3	3.4	3.5	9.6	5.3	4.5	3.2	4.0	3.0	3.5	3.8
12	9.2	4.1	3.4	3.6	9.4	5.5	4.4	3.5	4.0	2.9	3.4	3.7
13	9.4	4.0	3.5	3.7	9.0	5.3	4.3	3.6	4.0	2.8	3.3	3.7
14	9.1	3.9	3.2	3.8	8.2	5.0	4.2	3.4	3.9	2.6	3.3	4.9
15	8.3	3.7	3.0	6.8	7.6	4.8	4.1	3.5	4.1	2.9	3.4	5.1
16	7.6	3.4	3.1	7.3	8.4	4.7	4.0	3.6	3.9	2.8	3.3	4.0
17	6.8	3.5	3.5	7.0	8.4	4.5	3.8	3.5	3.9	2.9	3.3	4.2
18	6.0	3.8	3.4	6.5	8.0	4.5	3.7	3.4	3.9	2.9	3.5	4.6
19	6.8	3.8	3.4	6.0	7.3	4.6	3.7	3.4	3.8	3.0	3.4	4.8
20	6.8	4.0	3.6	5.4	6.7	4.2	3.6	3.4	3.6	2.9	4.0	4.6
21	6.0	5.4	3.5	4.9	6.4	4.3	3.5	3.3	3.5	2.8	3.9	4.5
22	5.5	6.5	3.8		6.0	4.3	3.5	3.3	3.4	2.8	3.8	4.3
23	5.6	6.5	3.6	4.5	5.7	4.4	3.5	3.4	3.5	2.9	3.8	4.2
24	5.0	5.1	3.5	4.4	5.8	4.2	3.4	3.3	3.6	3.2	3.6	4.0
25	5.6	4.5	3.5	4.3	6.1	4.9	3.4	3.3	3.5	3.0	3.5	3.8
26	5.2	4.4	3.5	4.1	5.5	5.1	3.3	3.2	3.4	3.3	3.5	3.6
27	4.8	4.2	3.8	5.5	5.2	4.5	3.5	3.2	3.3	3.2	3.5	3.5
28	4.8	4.1	3.5	5.4	5.1	4.4	3.4	3.2	3.2	3.4	3.5	3.6
29	4.7	-----	3.9	5.0	5.2	4.6	3.3	3.2	3.1	3.3	3.5	3.4
30	5.4	-----	3.1	6.3	5.9	4.4	3.3	3.2	3.2	4.0	3.5	3.4
31	5.9	-----	3.0	-----	6.1	-----	3.3	3.4	-----	4.8	-----	3.3

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.9	4.8	3.7	4.5	6.6	4.8	3.9	3.3	3.7	3.1	3.6	4.0
MAX	9.4	7.0	5.0	7.3	9.6	5.9	4.9	3.6	4.3	4.8	4.6	5.1
MIN	2.9	3.4	3.0	3.0	4.6	4.2	3.3	3.2	3.1	2.6	3.3	3.3
DAYS	31	28	31	29	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 4.3.

HIGHEST STAGE WAS 9.6 ON MAY 11.

LOWEST STAGE WAS 2.6 ON OCT 14.

DAILY STAGE FOR 1991  
MERMENTAU RIVER AT MERMENTAU, LA.

LOCATION. LAT. 30-11-21, LONG. 92-35-26. ON SOUTHERN PACIFIC RAILROAD BRIDGE. (STA. 7037516.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JAN. 1985. STAGES FROM JAN. 1 THRU

FEB. 17, 1974 WERE OBTAINED FROM THE NATIONAL WEATHER SERVICE, FEB. 17, 1974 THRU DEC. 31, 1984 FROM THE U.S. ARMY CORPS OF ENGINEERS. PRIOR TO 1985 GAGE WAS AT M.L.G. FROM 1985 TO 1987 GAGE ZERO WAS 0.58 FEET N.G.V.D. (1952 ADJ.)

RECORDS AVAILABLE. AUG. 28, 1941, TO DATE.

EXTREMES. HIGHEST, 14.3 FEET (FROM WATERMARK) IN AUG. 1940. LOWEST, MINUS 0.70 FOOT ON JULY 13, 1951. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT MINUS 0.54 NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.45	3.04	2.70	1.60	3.23	3.74	2.53	1.48	1.92	1.72	2.42	1.98
2	1.57	2.92	2.79	1.64	3.21	3.57	2.45	1.53	1.91	1.71	2.36	2.18
3	2.04	2.80	2.66	1.66	3.25	3.40	2.38	1.56	2.02	1.76	2.26	2.22
4	2.20	2.70	2.47	1.66	3.21	3.25	2.35	1.54	2.11	1.81	2.15	2.12
5	2.37	3.17	2.56	1.57	3.27	3.09	2.29	1.55	2.18	1.60	2.18	2.14
6	2.48	3.42	2.61	1.64	3.01	3.01	2.39	1.60	2.31	1.36	2.20	2.21
7	2.53	3.42	2.29	1.74	2.86	2.95	2.61	1.61	2.44	1.49	2.15	2.23
8	2.35	3.30	1.95	1.71	3.39	2.91	2.79	1.63	2.49	1.55	1.84	2.21
9	2.24	3.01	1.81	1.67	4.10	2.83	2.82	1.64	2.48	1.54	1.84	2.18
10	3.17	2.79	1.85	1.54	4.67	3.04	2.83	1.61	2.46	1.52	1.86	2.07
11	4.69	2.60	1.91	1.78	5.27	3.27	2.76	1.69	2.43	1.52	1.79	2.05
12	5.26	2.49	1.94	2.08	5.72	3.37	2.68	1.78	2.42	1.52	1.73	2.09
13	5.61	2.53	1.81	2.22	5.82	3.31	2.59	1.79	2.39	1.47	1.70	2.22
14	5.77	2.24	1.55	2.33	5.48	3.22	2.45	1.82	2.37	1.50	1.70	2.26
15	5.69	1.90	1.49	3.03	5.44	3.17	2.29	1.92	2.34	1.34	1.71	2.18
16	5.24	1.92	1.63	3.22	5.56	3.04	2.17	1.97	2.29	1.29	1.71	2.24
17	4.62	2.16	1.88	3.29	5.50	3.92	2.08	1.96	2.22	1.39	1.78	2.53
18	4.13	2.17	1.84	3.45	5.31	2.85	2.05	1.88	2.18	1.38	1.93	2.81
19	4.31	2.12	1.87	3.45	5.02	2.82	2.02	1.83	1.97	1.32	2.02	2.85
20	4.25	1.95	1.94	3.27	4.75	2.74	2.00	1.83	1.81	1.25	2.16	2.83
21	3.85	2.36	2.00	3.01	4.49	2.72	1.93	1.80	1.88	1.31	2.11	2.75
22	3.56	2.96	2.14	2.92	4.19	2.67	1.92	1.73	1.94	1.34	2.15	2.62
23	3.38	2.98	1.91	2.75	3.94	2.63	1.91	1.68	1.95	1.34	2.05	2.50
24	3.29	2.92	1.81	2.58	3.92	2.54	1.87	1.65	2.01	1.45	1.90	2.23
25	3.35	2.78	1.85	2.54	3.89	2.71	1.83	1.59	1.83	1.44	1.90	2.11
26	3.27	2.56	1.96	2.66	3.73	2.67	1.79	1.58	1.79	1.46	1.91	2.00
27	3.12	2.51	2.07	3.07	3.59	2.53	1.78	1.58	1.72	1.50	1.91	1.90
28	3.06	2.43	1.99	3.16	3.55	2.65	1.71	1.58	1.73	1.61	1.87	1.84
29	3.01	-----	1.94	3.24	3.57	2.75	1.60	1.55	1.70	1.67	1.91	1.75
30	3.15	-----	1.51	3.25	3.71	2.67	1.54	1.55	1.70	2.16	1.91	1.74
31	3.06	-----	1.53	-----	3.80	-----	1.49	1.73	-----	2.39	-----	1.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.49	2.65	2.01	2.46	4.21	2.97	2.19	1.69	2.10	1.54	1.97	2.22
MAX	5.77	3.42	2.79	3.45	5.82	3.74	2.83	1.97	2.49	2.39	2.42	2.85
MIN	1.45	1.90	1.49	1.54	2.86	2.53	1.49	1.48	1.70	1.25	1.70	1.68
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 2.46.  
HIGHEST STAGE WAS 5.87 AT 4:00 A.M. ON MAY 13.  
LOWEST STAGE WAS 1.18 ON OCT 16.

## DAILY STAGE FOR 1991

MERMENTAU RIVER AT LAKE ARTHUR, LA.

LOCATION. LAT. 30-04-18, LONG. 92-38-55. ON WALK LEADING TO MAGNOLIA OIL CO. WHARF, 1.1 MILES UPSTREAM FROM HIGHWAY 14 BRIDGE. (STA. 7052516.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JAN. 1985. PRIOR TO 1985 GAGE READ AND MAINTAINED BY U.S. ARMY CORPS OF ENGINEERS. PRIOR TO 1985 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. INTERMITTENTLY, 1952 TO 1955. DAILY, MAR. 30, 1956, TO DATE.

EXTREMES. HIGHEST, 8.5 FEET ON MAY 20, 1980. LOWEST, 0.83 FOOT ON JUNE 17, 1963. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, MINUS 1.78 NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		4.08	3.81	2.84	4.26	4.83	3.71	2.75			3.53	3.24
2		4.03	3.81	2.88	4.28	4.69	3.65	2.79			3.50	3.39
3		3.94	3.68	2.91	4.38	4.55	3.59	2.83			3.41	3.33
4		3.87	3.60	2.90	4.32	4.42	3.56	2.81			3.33	3.26
5		4.18	3.72	2.83	4.34	4.25	3.51	2.82			3.40	3.32
6		4.31	3.76	2.89	4.05	4.16	3.62	2.86			3.42	3.36
7		4.30	3.48	2.98	3.97	4.15	3.78	2.88			3.39	3.37
8		4.23	3.19	2.95	4.38	4.14	3.95	2.87			3.16	3.36
9		4.07	3.06	2.91	4.82	4.08	4.00	2.87			3.13	3.34
10		3.91	3.09	2.79	5.13	4.25	4.01	2.89			3.15	3.26
11		3.76	3.15	3.04	5.40	4.42	3.95	2.90			3.07	3.27
12		3.69	3.18	3.31	5.61	4.49	3.87	2.88			3.01	3.33
13		3.73	3.05	3.44	5.70	4.47	3.79	2.93			2.98	3.43
14		3.65	2.80	3.47	5.61	4.43	3.66	3.03			2.98	3.32
15		3.13	2.75	3.81	5.71	4.38	3.52	3.04			2.99	3.26
16		3.18	2.90	4.00	5.81	4.26	3.43	3.08		2.59	2.99	3.34
17		3.39	3.12	4.11	5.82	4.15	3.33	3.17		2.67	3.06	3.47
18		3.40	3.08	4.26	5.73	4.08	3.29			2.67	3.19	3.59
19		3.34	3.11	4.27	5.62	4.04	3.27			2.61	3.29	3.64
20		3.16	3.18	4.15	5.50	3.97	3.26			2.55	3.36	3.79
21		3.48	3.24	4.02	5.35	3.95	3.20			2.59	3.33	3.77
22		3.90	3.36	4.01	5.18	3.89	3.19			2.62	3.40	3.71
23		3.85	3.16	3.84	5.04	3.84	3.18			2.62	3.26	3.64
24		3.87	3.06	3.75	5.03	3.75	3.13			2.73	3.13	3.41
25		3.77	3.09	3.73	5.00	3.82	3.10			2.72	3.15	3.33
26		3.58	3.21	3.86	4.89	3.79	3.05			2.74	3.18	3.25
27		3.59	3.29	4.17	4.79	3.72	3.04			2.78	3.20	3.17
28		3.55	3.25	4.31	4.76	3.82	2.98			2.87	3.15	3.12
29		-----	3.14	4.34	4.76	3.87	2.86			2.95	3.19	3.04
30	4.17	-----	2.77	4.28	4.83	3.83	2.82			3.33	3.19	3.03
31	4.04	-----	2.79	-----	4.89	-----	2.76		-----	3.55	-----	2.97

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.11	3.74	3.22	3.57	5.00	4.15	3.42	2.91		2.79	3.22	3.36
MAX	4.17	4.31	3.81	4.34	5.82	4.83	4.01	3.17		3.55	3.53	3.79
MIN	4.04	3.13	2.75	2.79	3.97	3.72	2.76	2.75		2.55	2.98	2.97
DAYS	2	28	31	30	31	30	31	17	0	16	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 277  
 THE MEAN STAGE FOR THE YEAR WAS 3.61.  
 HIGHEST STAGE WAS 5.86 AT 9:00 A.M. ON MAY 17.  
 LOWEST STAGE WAS 2.48 ON OCT 16.

## DAILY STAGE FOR 1991

## MERMENTAU RIVER AT LACASSINE REFUGE (LA.)

LOCATION. LAT. 30-00-09, LONG. 92-46-52. ON DOCK AT LACASSINE WILDLIFE REFUGE HEADQUARTERS.  
(STA. 7060016.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 25, 1947 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.50 FEET (CAUSED BY HURRICANE) ON NOV. 04, 1985. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.47 FOOT ON JUNE 10, AND LATER DATES IN 1951.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.79	4.07	3.64	2.85	4.19	4.76	3.75	2.73	3.11	3.07	3.36	3.24
2	2.89	4.06	3.83	2.88	4.22	4.70	3.70	2.76	3.16	2.97	3.41	3.43
3	3.03	4.00	3.63	2.95	4.36		3.66	2.79	3.28	3.01	3.30	3.28
4	3.14	3.92	3.64	2.93	4.29		3.62	2.77	3.37	3.06	3.28	3.20
5	3.30	4.14	3.71	2.86	4.28		3.58	2.76	3.46	3.00	3.39	3.34
6	3.39	4.16	3.64	2.94	4.01	4.16	3.68	2.72	3.57	2.77	3.37	3.36
7	3.37	4.11	3.52	2.95	4.00	4.17	3.80	2.73	3.63	2.81	3.44	3.38
8	3.36	4.07	3.32	2.94	4.26	4.20	3.95	2.76	3.67	2.83	3.24	3.33
9	3.33	4.02	3.19	2.93	4.54	4.18	3.93	2.73	3.68	2.83	3.17	3.36
10	3.68	3.89	3.14	2.80	4.74	4.33	3.94	2.70	3.71	2.77	3.21	3.28
11	4.30	3.95	3.19	3.07	4.87	4.33	3.89	2.75	3.58	2.74	3.12	3.28
12	4.43	3.80	3.19	3.31	4.91	4.41	3.82	2.90	3.67	2.77	3.06	3.32
13	4.62	3.80	3.09	3.48	4.97	4.39	3.74	2.92	3.65	2.75	3.04	3.39
14	4.77	3.64	2.95	3.48	4.98	4.39	3.60	3.01	3.63	2.75	3.04	3.26
15	5.01	3.32	2.86	3.54	5.23	4.37	3.49	3.06	3.62	2.63	3.04	3.20
16	4.85	3.32	3.02	3.71	5.28	4.25	3.43	3.08	3.55	2.64	3.05	3.29
17	4.77	3.47	3.20	3.84	5.36	4.14	3.33	3.11	3.52	2.66	3.13	3.33
18	4.66	3.48	3.13	3.96	5.32	4.09	3.29	3.07	3.46	2.65	3.21	3.40
19	4.75	3.53	3.14	4.03	5.28	4.06	3.24	3.04	3.35	2.61	3.26	3.53
20	4.77	3.31	3.20	3.92	5.32	3.97	3.25	3.03	3.20	2.55	3.35	3.73
21	4.50	3.48	3.22	3.90	5.23	3.94	3.20	2.99	3.20	2.56	3.34	3.68
22	4.45	3.72	3.30	3.93	5.16	3.89	3.19	2.96	3.24	2.60	3.42	3.70
23	4.43	3.66	3.21	3.79	5.04	3.84	3.18	2.92	3.25	2.63	3.21	3.60
24	4.30	3.74	3.12	3.77	5.00	3.76	3.12	2.88	3.35	2.70	3.16	3.42
25	4.33	3.76	3.13	3.74	5.00	3.78	3.05	2.84	3.16	2.72	3.19	3.35
26	4.32	3.59	3.23	3.87	4.93	3.74	3.02	2.82	3.15	2.72	3.22	3.32
27	4.26	3.64	3.27	4.08	4.80	3.72	3.01	2.85	3.16	2.76	3.27	3.18
28	4.25	3.64	3.22	4.18	4.79	3.79	2.95	2.80	3.10	2.85	3.23	3.15
29	4.20	-----	3.07	4.18	4.77	3.86	2.81	2.80	3.09	2.91	3.17	3.06
30	4.21	-----	2.87	4.16	4.75	3.82	2.77	2.76	3.09	3.26	3.21	3.08
31	4.01	-----	2.82	-----	4.83	-----	2.77	2.97	-----	3.50	-----	3.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.08	3.76	3.25	3.50	4.80	4.11	3.41	2.87	3.39	2.81	3.23	3.34
MAX	5.01	4.16	3.83	4.18	5.36	4.76	3.95	3.11	3.71	3.50	3.44	3.73
MIN	2.79	3.31	2.82	2.80	4.00	3.72	2.77	2.70	3.09	2.55	3.04	3.05
DAYS	31	28	31	30	31	27	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 362  
THE MEAN STAGE FOR THE YEAR WAS 3.54.  
HIGHEST STAGE WAS 5.40 AT 5:00 P.M. ON MAY 19.  
LOWEST STAGE WAS 2.52 ON OCT 20.

## DAILY STAGE FOR 1991

MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (NORTH)

LOCATION. LAT. 29-51-48, LONG. 92-51-00. ON LOCK WALL AT NORTHWEST END OF STRUCTURE. (STA. 7067517.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. APR. 27, 1951 TO DATE.

EXTREMES. HIGHEST, 8.3 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 0.80 FOOT ON DEC. 26, 1975.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.52	3.89	3.05	2.63	3.92	4.41	3.45	2.62	2.92	2.91	3.09	2.88
2	2.70	3.82	3.40	2.65	4.01	4.32	3.40	2.60	3.00	2.81	3.18	2.90
3	2.85	3.69	3.32	2.70	3.91	4.22	3.36	2.59	3.19	2.84	3.19	3.00
4	3.06	3.61	3.20	2.70	3.91	4.12	3.22	2.62	3.20	2.86	3.19	3.01
5	3.06	3.70	3.26	2.66	3.80	3.99	3.30	2.62	3.29	2.84	3.20	3.00
6	3.05	3.78	3.19	2.65	3.80	3.91	3.33	2.71	3.30	2.99	3.06	3.00
7	3.10	3.73	3.20	2.64	3.80	4.02	3.42	2.70	3.38	2.80	3.09	2.92
8	3.10	3.70	3.15	2.55	4.01	4.10	3.60	2.72	3.40	2.74	3.04	2.97
9	3.10	3.62	3.00	2.56	4.15	4.11	3.69	2.69	3.48	2.74	2.98	2.95
10	3.29	3.49	3.00	2.71	4.33	4.05	3.70	2.65	3.50	2.68	2.91	3.05
11	3.79	3.49	2.80	2.85	4.39	4.10	3.62	2.70	3.51	2.52	2.82	2.99
12	3.90	3.36	2.80	2.90	4.45	4.15	3.59	2.82	3.45	2.50	2.80	2.99
13	4.10	3.28	2.71	3.00	4.45	4.18	3.51	2.84	3.43	2.55	2.77	2.98
14	4.10	3.20	2.71	2.94	4.49	4.12	3.40	2.80	3.40	2.50	2.80	3.05
15	4.30	3.09	2.91	3.35	4.70	4.10	3.25	2.99	3.40	2.48	2.80	3.11
16	4.30	3.08	2.95	3.40	4.79	4.00	3.20	3.00	3.30	2.59	2.78	3.00
17	4.28	3.02	3.00	3.50	4.87	3.90	3.14	2.99	3.30	2.50	2.85	3.00
18	4.65	3.05	2.95	3.50	4.90	3.80	3.03	2.95	3.24	2.50	2.90	3.02
19	4.31	3.10	2.95	3.60	4.95	3.80	3.02	2.92	3.40	2.47	2.91	3.20
20	4.30	3.30	2.99	3.61	5.00	3.70	3.00	2.92	3.29	2.42	2.99	3.48
21	4.39	3.39	3.00	3.62	4.90	3.61	3.07	2.89	3.11	2.40	3.00	3.37
22	4.10	3.09	3.00	3.55	4.80	3.51	2.95	2.87	3.04	2.41	2.99	3.30
23	4.10	3.30	2.93	3.50	4.72	3.50	3.10	2.81	3.00	2.40	2.97	3.29
24	4.20	3.30	2.80	3.41	4.84	3.49	2.95	2.78	3.05	2.54	2.80	3.15
25	4.01	3.20	2.70	3.37	4.81	3.45	2.90	2.73	3.07	2.55	2.90	3.12
26	3.95	3.29	2.79	3.33	4.71	3.41	2.85	2.70	2.90	2.55	2.99	3.19
27	3.91	3.15	2.82	3.40	4.63	3.40	2.84	2.69	3.01	2.55	3.02	3.06
28	3.95	3.21	2.82	3.50	4.54	3.50	2.79	2.70	2.94	2.50	2.95	2.84
29	3.90	-----	2.75	3.70	4.49	3.59	2.70	2.68	2.98	2.65	2.89	2.79
30	3.91	-----	2.87	4.01	4.45	3.53	2.63	2.60	2.90	3.07	2.88	2.80
31	3.92	-----	2.72	-----	4.50	-----	2.65	2.60	-----	3.21	-----	2.88

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.75	3.39	2.96	3.15	4.45	3.87	3.18	2.76	3.21	2.65	2.96	3.04
MAX	4.65	3.89	3.40	4.01	5.00	4.41	3.70	3.00	3.51	3.21	3.20	3.48
MIN	2.52	3.02	2.70	2.55	3.80	3.40	2.63	2.59	2.90	2.40	2.77	2.79
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.28.  
 HIGHEST STAGE WAS 5.20 AT 5:30 P.M. ON JAN 18.  
 LOWEST STAGE WAS 2.20 ON APR 7.

## DAILY STAGE FOR 1991

HERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (SOUTH AUTO.)

LOCATION. LAT. 29-51-46, LONG. 92-51-01. ON LOCKWALL AT SOUTHWEST END OF STRUCTURE.  
(STA. 7075017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 15, 1949 TO DATE. SUBTRACT 0.2 FROM DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.3 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.70 FEET ON DEC. 23, 1969.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.30	3.80	3.30	2.80	3.87	4.29	3.35	2.84	3.70	3.28	2.97	2.83
2	2.58	3.72	3.46	2.85	3.96	4.20	3.35	2.90	3.40	3.71	3.04	2.69
3	2.69	3.60	3.22	3.25	3.80	4.10	3.33	3.04	3.52	3.19	3.01	2.12
4	2.97	3.52	3.10	3.25	3.85	3.91	3.20	2.94	3.83	3.21	2.97	2.87
5	2.99	3.64	3.17	2.88	3.74	3.79	3.26	2.74	4.10	2.90	2.88	2.96
6	2.92	3.63	3.10	2.60	3.67	3.74	3.29	2.64	3.60	2.78	2.80	2.98
7	2.90	3.60	2.99	2.51	3.63	3.88	3.39	3.20	3.52	3.19	2.83	2.96
8	2.93	3.59	2.86	2.30	3.89	4.02	3.49	3.09	3.38	3.51	2.64	2.99
9	2.96	3.51	2.72	2.47	4.00	4.22	3.56	3.10	3.19	2.88	2.78	2.70
10	3.18	3.39	2.65	2.45	4.25	4.65	3.68	3.19	3.30	2.81	2.72	2.89
11	3.64	3.30	2.55	2.78	4.30	4.39	3.74	3.01	3.47	2.57	2.65	2.99
12	3.70	3.14	2.52	3.12	4.34	4.20	3.62	3.20	3.60	2.51	2.63	3.00
13	3.89	3.12	2.55	3.51	4.39	4.32	3.50	2.77	3.46	2.50	2.63	3.02
14	3.99	3.08	2.60	4.07	4.42	4.22	3.37	3.05	3.41	2.70	2.74	2.96
15	4.20	2.94	2.78	3.75	4.84	4.01	3.20	3.20	3.45	2.39	2.74	3.07
16	4.12	2.94	3.17	3.81	4.74	3.91	3.08	2.91	3.42	2.49	2.66	2.95
17	4.12	2.98	3.41	3.89	4.69	3.78	3.02	2.94	3.21	2.68	2.79	2.95
18	4.42	3.11	3.20	3.89	4.70	3.63	2.94	2.87	3.20	2.42	2.80	2.90
19	4.25	3.52	3.42	3.51	4.77	3.65	2.94	2.81	3.35	2.33	2.78	3.09
20	4.22	3.16	3.53	3.42	4.84	3.57	2.92	2.86	3.20	2.41	2.78	3.40
21	4.12	3.23	3.27	3.45	4.80	3.49	3.01	2.80	3.04	2.50	2.79	3.35
22	4.06	2.99	3.40	3.40	4.81	3.46	3.45	2.81	2.92	2.53	2.73	3.22
23	4.10	3.12	2.80	3.39	4.81	3.40	3.28	3.35	2.90	2.58	2.65	3.21
24	4.02	3.13	2.50	3.39	4.69	3.38	3.14	2.90	3.05	2.99	2.69	3.02
25	4.13	3.12	2.45	3.50	4.68	3.43	3.28	2.90	2.75	3.00	2.80	3.11
26	4.21	3.10	2.61	4.20	4.58	3.38	3.27	2.85	2.72	3.09	2.92	3.17
27	4.24	3.01	2.50	4.60	4.50	3.67	3.11	3.15	2.93	3.30	3.01	3.08
28	3.78	3.10	2.70	4.15	4.44	3.45	3.07	2.65	3.05	4.20	2.94	2.80
29	3.75	-----	2.55	4.30	4.41	3.48	2.86	3.05	3.50	4.05	2.90	2.70
30	3.75	-----	2.67	3.95	4.34	3.52	2.90	3.12	3.33	3.82	2.87	2.70
31	3.79	-----	2.62	-----	4.40	-----	2.99	3.85	-----	3.82	-----	2.73

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.64	3.29	2.92	3.38	4.36	3.84	3.24	2.99	3.32	2.98	2.80	2.95
MAX	4.42	3.80	3.53	4.60	4.84	4.65	3.74	3.85	4.10	4.20	3.04	3.40
MIN	2.30	2.94	2.45	2.30	3.63	3.38	2.86	2.64	2.72	2.33	2.63	2.12
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.31.  
 HIGHEST STAGE WAS 5.05 AT 7:00 A.M. ON MAY 15.  
 LOWEST STAGE WAS 1.14 ON AUG 8.

## DAILY STAGE FOR 1991

MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (SOUTH STAFF)

LOCATION. LAT. 29-51-46, LONG. 92-51-01. ON BOATHOUSE AT NORTHWEST END OF STRUCTURE.  
(STA. 7082517.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. APR. 27, 1951 TO DATE.

EXTREMES. HIGHEST, 8.30 FEET (FROM HIGHWATER MARK) ON JUN. 27, 1957. LOWEST, MINUS 1.70 FEET ON  
DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.45	3.80	3.90	3.00	3.85	4.30	3.35	2.85	3.70	3.15	3.05	2.80
2	2.70	3.70	3.45	2.80	3.85	4.20	3.35	2.95	3.40	3.85	2.95	2.80
3	2.75	3.60	3.20	3.00	3.90	4.05	3.30	3.00	3.70	3.30	2.95	2.25
4	2.90	3.50	3.10	2.90	3.80	3.95	3.20	2.90	3.90	3.30	2.95	2.80
5	3.00	3.65	3.15	2.60	3.70	3.80	3.20	3.00	4.00	3.20	3.00	2.85
6	2.95	3.60	3.05	2.55	3.70	3.75	3.25	3.00	3.90	2.80	2.95	3.00
7	2.95	3.60	2.90	2.45	3.60	3.85	3.35	3.30	3.90	3.20	2.95	2.95
8	2.95	3.60	3.00	2.40	3.90	4.00	3.50	3.50	3.60	3.45	2.80	3.10
9	2.90	3.50	2.75	2.50	4.00	4.15	3.60	3.40	3.45	3.20	2.80	2.80
10	3.20	3.40	2.60	2.50	4.30	4.75	3.90	3.25	3.80	2.95	2.80	3.00
11	3.70	3.35	2.55	2.80	4.20	4.40	3.90	2.75	3.55	2.80	2.70	3.00
12	3.70	3.20	2.65	2.60	4.25	4.45	3.75	3.15	3.75	2.85	2.65	3.00
13	3.90	3.20	2.60	3.65	4.40	4.10	3.50	2.75	3.60	2.65	2.65	3.00
14	4.00	3.10	2.60	4.10	4.40	4.00	3.35	2.80	3.45	2.70	2.70	2.70
15	4.25	3.00	2.80	4.10	5.00	4.00	3.10	3.20	3.65	2.40	2.70	3.00
16	4.10	3.00	3.30	3.70	4.65	3.85	3.00	2.90	3.50	2.50	2.65	3.00
17	4.15	3.40	4.20	3.40	4.65	3.75	2.95	3.15	3.20	2.80	2.70	2.95
18	4.40	3.15	3.20	3.50	4.70	3.60	2.95	2.85	3.40	2.75	2.85	2.95
19	4.30	3.50	3.40	3.35	4.75	3.65	2.90	2.85	3.40	2.40	2.80	3.10
20	4.25	3.10	3.40	3.45	4.85	3.60	2.95	2.95	3.20	2.50	2.90	3.50
21	4.15	3.15	2.85	3.45	4.80	3.50	3.10	3.00	3.15	2.50	2.80	3.45
22	3.95	2.90	2.90	3.40	4.90	3.45	3.45	2.95	3.40	2.70	2.90	3.20
23	4.05	3.10	2.40	3.40	4.85	3.45	3.50	2.20	3.35	2.70	2.85	3.20
24	4.05	3.15	2.50	3.40	4.70	3.40	3.35	3.20	3.35	3.30	2.75	3.10
25	3.90	3.15	2.50	3.55	4.65	3.55	3.30	2.90	2.80	3.55	2.80	3.10
26	3.80	3.10	2.50	4.10	4.55	3.35	3.40	2.90	3.30	3.60	2.90	3.20
27	3.80	3.05	2.80	4.60	4.50	3.50	3.20	3.00	3.00	3.95	2.95	3.10
28	3.80	3.10	2.80	4.60	4.40	3.45	3.25	2.95	3.10	4.10	2.85	2.80
29	3.75	-----	3.60	4.30	4.35	3.50	2.70	3.20	3.60	4.00	2.80	2.70
30	3.80	-----	2.70	3.95	4.25	3.45	2.80	3.20	3.45	3.85	2.75	2.70
31	3.80	-----	2.80	-----	4.35	-----	2.60	3.80	-----	3.85	-----	2.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.62	3.31	2.97	3.32	4.35	3.83	3.26	3.06	3.48	3.13	2.83	2.96
MAX	4.40	3.80	4.20	4.60	5.00	4.75	3.90	3.80	4.00	4.10	3.05	3.50
MIN	2.45	2.90	2.40	2.40	3.60	3.35	2.60	2.75	2.80	2.40	2.65	2.25
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.34.  
 HIGHEST STAGE WAS 5.00 ON MAY 15.  
 LOWEST STAGE WAS 2.25 ON DEC 3.

## DAILY STAGE FOR 1991

HERMENTAU RIVER AT GRAND CHENIERE, LA.

LOCATION. LAT. 29-46-08, LONG. 92-59-24. ON HIGHWAY 82 BRIDGE. (STA. 7090017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 15, 1943 TO JULY 12, 1954, AND APR. 13, 1956 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1951, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 13.0 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.39 FEET ON FEB. 28, 1984.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.75	1.78	1.75	2.88	3.97	4.10	3.30	2.54	3.10	3.35	1.80	
2	1.60	2.31	1.99	3.25	4.00	4.26	3.57	2.74	3.45	3.65	2.22	
3	1.45	2.42	0.82	3.10	4.12	3.80	3.12	2.72	3.72	3.66	1.62	
4	2.06	2.70	1.89	3.19	4.36	3.23	3.38	2.75	4.05	3.62	1.46	
5	3.14	3.35	2.51	3.41	4.19	3.15	3.40	3.09	4.24	2.81	1.55	
6	2.98	3.07	2.37	3.10	3.10	3.20	3.40	3.15	3.81	2.65	1.40	
7	2.21	2.93	2.68	4.06	3.59	3.65	3.30	3.15	3.04	2.25	1.60	
8	2.30	3.16	3.35	3.35	3.72	4.05	3.80	2.99	2.60	2.34	0.80	
9	2.08	3.08	3.14	3.41	3.63	4.62	3.28	2.83	2.24	1.79	1.50	
10	2.62	3.09	3.18	2.61	3.89	4.27	3.56	2.54	2.59	1.36	1.50	
11	2.55	3.05	3.46	3.09	3.54	4.13	3.08	2.22	2.65	1.10	1.60	
12	1.27	3.06	3.37	3.25	3.25	4.10	2.99	1.75	2.94	1.26	1.95	
13	1.95	2.89	1.31	3.50	3.60	3.85	2.95	2.44	2.77	1.61	2.15	
14	2.53	2.69	1.08	3.80	3.95	4.00	2.79	2.55	3.08	1.95	2.98	
15	3.45	2.48	1.85	3.24	4.28	4.10	2.64	2.85	3.44	2.30	2.95	
16	1.90	3.15	3.37	4.24	4.68	3.96	2.65	2.61	3.44	2.79	2.51 F	3.06
17	2.10	2.98	3.20	3.80	4.81	3.30	2.69	2.76	3.22	2.89	2.85	2.55
18	3.31	3.06	2.50	4.35	4.93	3.56	2.73	2.60	3.27	2.65	2.68	1.32
19	2.00	3.07	3.00	4.02	5.05	3.38	2.85	2.63	2.87	2.14	1.96	1.65
20	2.75	2.16	3.80	3.42	4.65	2.97	3.02	2.90	2.79	2.06	1.35	2.11
21	2.04	2.75	3.80	4.15	4.19	2.98	3.20	2.93	3.00	2.02		1.75
22	2.79	1.86	4.19	4.29	4.36	2.90	3.13	2.87	2.80	1.85		1.30
23	3.06	1.45	3.40	3.49	4.64	2.85	2.74	2.71	2.61	1.64		1.70
24	3.20	2.15	3.35	3.19	4.55	2.94	3.15	2.55	2.40	2.19		1.30
25	3.52	2.04	3.60	3.45	4.00	3.04	2.95	2.55	1.75	2.12		2.10
26	3.32	1.30	3.68	3.50	4.05	3.05	2.77	2.49	1.61	2.40		2.40
27	4.00	1.65	3.50	4.22	3.94	3.17	2.75	2.81	1.60	3.02		2.91
28	4.15	1.96	3.87	4.25	4.06	3.25	2.66	2.38	2.10	3.45		2.40
29	1.60	-----	2.45	3.50	3.90	3.79	2.10	2.44	2.66	3.64		2.20
30	1.65	-----	2.84	3.60	4.08	3.38	1.94	2.42	3.05	4.21		1.91
31	0.97	-----	2.57	-----	4.42	-----	2.16	2.85	-----	3.90	-----	1.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.43	2.56	2.83	3.56	4.11	3.57	2.97	2.67	2.90	2.54	1.92	1.98
MAX	4.15	3.35	4.19	4.35	5.05	4.62	3.80	3.15	4.24	4.21	2.98	3.06
MIN	0.75	1.30	0.82	2.61	3.10	2.85	1.94	1.75	1.60	1.10	0.80	1.10
DAYS	31	28	31	30	31	30	31	31	30	31	20	16

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 340

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.90.

HIGHEST STAGE WAS 5.25 AT 5:00 A.M. ON MAY 15 AND LATER DATE(S).

LOWEST STAGE WAS MINUS 0.40 ON FEB 15.

## DAILY STAGE FOR 1991

## CALCASIEU RIVER NEAR OBERLIN, LA.

LOCATION. LAT. 30-38-25, LONG. 92-48-50. ON HIGHWAY 26 BRIDGE, THREE MILES NORTHWEST OF OBERLIN, LA. (STA. 7305016.)

GAGE. AUTOMATIC RECORDER.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 753 SQUARE MILES.

RECORDS AVAILABLE. STAGE, AUG. 1922 TO JAN. 1925, AND SEP. 1938 TO DATE. STAGES ARE PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DAILY DISCHARGE IS COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 26.53 FEET ON MAY 19, 1953. LOWEST, 1.18 FEET ON OCT. 26, 1968.

## MEAN DAILY STAGE IN FEET

## GAGE ZERO, 39.43 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.29	9.41	14.31	7.79	10.92	9.40	10.96	3.55	5.36	3.80	12.91	7.56
2	6.86	9.07	13.47	9.01	10.36	9.36	10.28	3.54	4.52	3.74	10.93	8.08
3	12.24	8.76	13.65	9.67	12.64	9.13	9.52	3.59	4.37	3.61	8.54	9.86
4	13.28	8.27	15.09	9.80	15.07	8.23	9.06	3.66	4.36	3.52	7.13	10.48
5	12.61	7.88	14.41	9.50	15.34	7.55	10.16	3.64	4.57	3.43	6.80	10.58
6	11.55	7.82	12.93	8.93	15.67	7.44	10.22	3.52	5.89	3.35	6.91	9.90
7	10.58	7.61	11.75	8.07	15.67	8.36	10.84	3.44	6.63	3.28	7.12	9.16
8	10.49	7.60	11.09	6.67	16.48	8.77	11.66	3.41	6.50	3.22	7.36	9.58
9	10.76		10.93	5.46	18.60	7.53	11.76	3.40	6.03	3.17	7.45	10.74
10	12.52		11.03	5.12	12.76	6.22	10.95	3.78	6.12	3.13	6.89	11.85
11	15.43		10.71	6.29	18.25	7.56	10.35	4.37	6.36	3.10	5.78	12.41
12	16.12		9.90	9.48	17.56	9.84	9.87	6.76	6.48	3.07	4.76	12.34
13	16.09	7.46	8.67	10.75	17.05	11.34	9.79	7.52	6.39	3.04	4.19	13.52
14	15.23	8.38	7.12	12.48	16.67	10.77	9.73	7.34	6.14	3.01	3.90	17.31
15	13.77	9.14	5.83	16.53	16.28	8.32	9.28	6.70	5.84	2.98	3.73	19.63
16	13.90	9.12	5.04	17.69	15.96	6.38	8.93	7.01	5.45	2.94	3.62	18.67
17	15.27	8.08	4.80	17.59	15.17	5.92	7.83	7.68	4.92	2.91	3.53	17.22
18	15.38	6.56	4.88	17.04	14.03	5.93	6.40	7.96	4.48	2.88	3.49	16.32
19	15.43	5.80	4.91	16.46	13.40	6.25	5.22	8.08	4.20	2.86	3.49	16.33
20	15.11	7.11	4.82	15.86	12.56	6.54	4.62	8.22	4.01	2.84	4.42	15.68
21	14.65	9.76	4.74	14.97	11.52	6.02	4.36	8.57	4.10	2.82	6.52	14.41
22	14.00	13.37	4.79	13.82	10.36	5.38	4.20	8.90	3.97	2.80	7.80	13.02
23	13.16	14.18	4.87	12.79	9.39	5.62	4.06	9.08	3.77	2.80	7.89	11.91
24	12.76	13.91	4.86	12.10	9.14	7.28	3.98	9.22	3.70	2.87	7.48	10.84
25	13.25	12.87	4.74	11.49	9.33	8.34	3.93	9.13	4.39	2.79	6.78	9.39
26	13.11	12.13	4.53	10.72	9.70	9.72	3.87	8.63	4.72	2.78	6.65	8.08
27	12.43	13.50	4.27	9.89	9.22	10.02	3.78	7.68	3.87	2.81	6.93	7.15
28	11.80	14.67	4.04	9.46	8.79	10.32	3.69	6.60	3.69	2.83	7.35	6.48
29	11.22	-----	4.06	10.25	8.50	10.98	3.63	5.61	3.61	3.65	7.78	6.09
30	10.61	-----	5.62	11.52	8.31	11.37	3.58	4.73	3.67	12.08	7.96	5.80
31	9.95	-----	6.93	-----	9.02	-----	3.55	4.86	-----	15.13	-----	5.51

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.74	9.69	8.03	11.23	13.22	8.20	7.42	6.13	4.94	3.78	6.54	11.48
MAX	16.12	14.67	15.09	17.69	18.76	11.37	11.76	9.22	6.63	15.13	12.91	19.63
MIN	5.29	5.80	4.04	5.12	8.31	5.38	3.55	3.40	3.61	2.78	3.49	5.51
DAYS	31	24	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

THE MEAN STAGE FOR THE YEAR WAS 8.60.

HIGHEST STAGE WAS 19.63 ON DEC 15.

LOWEST STAGE WAS 2.78 ON OCT 26.

## DAILY STAGE FOR 1991

BAYOU SERPENT NEAR FENTON, LA.

LOCATION. LAT. 30-23-15, LONG. 92-54-16. ON U. S. HIGHWAY 165 BRIDGE, 1.7 MILES NORTHEAST OF FENTON, LA. (STA. 7310016.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. SEP. 26, 1956 TO APR. 16, 1958, OCT. 12 TO 18, 1960, AND JULY 25, 1962 TO DATE.

EXTREMES. HIGHEST, 29.86 FEET ON MAY 17, 1980. LOWEST, 8.07 FEET ON NOV. 6 AND LATER DATES IN 1987.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.93	12.49	9.31	9.36	12.51	15.11	10.32	9.04	16.65	8.48	22.07	8.83
2	8.78	10.71	15.12	9.33	10.29	12.49	9.96	9.03	12.70	8.43	17.01	17.35
3	24.14	9.93	12.19	9.60	9.82	10.74	9.50	9.02	10.87	8.45	12.47	18.30
4	23.02	9.57	10.31	9.48	9.70	9.83	9.44	9.01	12.14	8.42	10.54	13.14
5	16.32	16.77	9.62	9.72	14.50	9.44	18.20	8.71	10.58	8.44	9.76	10.89
6	12.54	14.38	9.44	9.44	17.30	10.65	16.08	11.19	18.33	8.44	9.34	10.07
7	15.02	11.47	9.28	9.43	12.34	9.86	14.59	9.52	16.04	8.57	9.23	9.61
8	13.48	10.31	9.12	9.56	21.72	9.49	16.79	9.46	12.46	8.49	9.27	9.35
9	11.44	9.74	9.24	10.04	24.80	9.42	15.00	9.18	10.64	8.43	9.13	9.22
10	22.83	9.45	9.07	9.84	24.26	9.96	13.11	9.11	9.81	8.41	9.07	10.95
11	26.67	9.20	8.89	11.32	19.55	19.09	11.44	9.10	9.39	8.42	8.86	9.87
12	26.25	9.09	8.89	11.22	13.55	13.96	10.52	14.79	9.12	8.39	8.78	9.49
13	25.04	9.00	8.94	10.35	11.23	11.03	9.82	13.36	10.33	8.36	8.73	9.37
14	19.52	9.02	9.45	10.18	10.00		9.52	11.34	9.47	8.33	8.92	26.23
15	15.34	8.86	9.05	24.55	22.05		9.43	10.04	9.09	8.30	8.67	25.89
16	15.20	8.75	8.73	23.60	24.04		9.76	9.83	8.85	8.32		24.45
17	12.29	8.69	12.40	15.70	20.15		9.68	9.22	9.58	8.27	8.59	15.95
18	10.75	8.76	11.12	12.21	15.09		9.84		9.04	8.28	16.18	12.35
19	21.76	8.80	9.68	11.16	12.26		9.48		8.86	8.22	13.54	10.83
20	16.35	8.99	9.49	11.12	12.54		9.46		8.66	8.21	17.65	9.79
21	12.34	13.85	9.39	10.57	12.76				8.55	8.18	15.94	9.67
22	10.57	21.50	9.43	9.86	11.04	F	9.45		8.43	8.15	11.93	9.26
23	10.02	14.95	9.47	11.99	10.05		10.00		8.36	8.11	10.40	9.22
24	13.22	11.16	9.44	10.62	9.70		9.62		9.15	8.36	9.62	9.26
25	15.60	9.91	9.36	11.14	9.39				9.91	8.37	9.24	9.14
26	12.05	11.43	9.46	11.84	11.37	F	10.57	F	8.59	9.43	8.38	9.04
27	10.66	10.04	10.06	11.50	9.96		10.28	F	8.48	8.92	8.33	8.94
28	10.23	9.47	9.90	10.24	9.47		14.81		9.74	8.84	8.32	8.87
29	10.03	-----	10.19	15.35	9.55		14.95		8.99	8.72	8.50	8.77
30	21.19	-----	10.09	18.09	16.90		11.83		8.79	8.64	22.04	8.73
31	17.10	-----	10.06	-----	19.88	-----	F	9.05	16.95	-----	23.90	-----

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.76	10.94	9.88	11.95	14.44	11.86	11.25	10.11	10.39	9.30	11.01	11.98
MAX	26.67	21.50	15.12	24.55	24.80	19.09	18.20	16.95	18.33	23.90	22.07	26.23
MIN	8.78	8.69	8.73	9.33	9.39	9.42	9.05	8.48	8.36	8.11	8.59	8.68
DAYS	31	28	31	30	31	18	24	23	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 337

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 11.61.

HIGHEST STAGE WAS 26.67 AT 8:00 A.M. ON JAN 11.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1991

INDIAN BAYOU NEAR LAKE CHARLES, LA.

LOCATION. LAT. 30-18-10, LONG. 93-14-52. ON HIGHWAY 378 BRIDGE APPROXIMATELY THREE MILES WEST OF MOSS BLUFF, LA. (STA. 7346021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. FOR RECORDS, 1946 TO 1982, REFER TO GAGE WEST FORK CALCASIEU RIVER NEAR LAKE CHARLES, LA.

RECORDS AVAILABLE. DEC. 15, 1983 TO DATE.

EXTREMES. HIGHEST, 11.07 FEET ON JUL. 2, 1989. LOWEST, MINUS 2.05 FEET ON FEB. 28, 1984.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1968 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.72	1.87	2.90	1.82	2.34	3.39	1.89	1.73	2.46	2.15	2.20	1.93
2	2.02	1.94	2.46	1.89	2.30	3.20	1.77	1.81	2.32	2.27	1.58	1.96
3	3.12	1.70	1.63	2.08	2.37	2.49	1.85	1.86	2.39	2.28	1.40	0.94
4	2.59	1.44	0.85	2.11	2.10	2.11	1.46	1.81	2.41	2.30	1.37	1.27
5	2.39	1.75	1.13	1.65	2.43	1.54	1.67	1.82	2.63	2.20	1.84	1.96
6	2.14	1.28	1.41	1.71	1.50	1.70	2.09	1.83	2.48	1.41	1.62	2.27
7	1.52	1.76	0.85	1.50	1.65	2.17	2.43	1.88	2.64	1.68	1.75	1.72
8	1.05	1.79	1.46	2.15	2.83	3.01	2.35	1.87	2.23	2.01	0.48	1.88
9	1.32	1.10	1.30	1.91	3.52	2.99	2.38	1.40	2.40	2.12	0.90	1.95
10	3.28	1.30	1.13	1.54	4.02	3.40	2.36	1.82	2.50	1.95	1.25	1.26
11	5.25	1.67	1.45	2.50	4.30	3.57	2.31	1.86	2.54	1.80	0.96	1.79
12	5.15	1.63	1.55	3.14	4.27	3.39	2.11	1.98	2.54	1.84	1.24	1.61
13	4.21	1.84	2.18	2.92	4.00	3.09	1.94	1.78	2.47	1.58	1.06	2.16
14	3.35	1.27	1.36	2.95	3.66	2.90	1.66	1.65	2.54	1.65	1.80	3.77
15	3.75	1.13	1.59	3.70	3.86	2.60	1.35	2.13	2.57	1.53	1.80	4.24
16	2.75	1.13	2.03	3.68	3.90	2.34	1.42	1.79	2.35	1.48	1.57	4.79
17	2.54	2.24	2.73	3.52	4.00	2.11	1.64	2.05	2.17	1.66	1.93	4.82
18	2.66	2.14	1.71	3.13	3.90	1.52	1.82	1.90	2.18	1.70	1.92	4.18
19	3.51	2.19	1.90	2.87	3.44	1.56	1.75	1.76	2.00	1.68	2.26	3.28
20	2.68	1.19	1.96	2.60	3.18	1.71	1.87	1.83	0.93	1.62	1.95	3.37
21	1.66	1.65	1.91	2.02	2.90	1.96	1.85	1.97	1.75	1.68	0.62	3.08
22	1.17	2.44	1.66	2.32	2.84	2.13	1.73	1.78	2.01	1.78	1.17	2.10
23	1.49	1.26	1.37	2.25	3.45	2.12	1.93	1.57	2.06	1.84	1.00	2.14
24	2.02	2.12	1.63	2.21	3.45	2.00	1.88	1.90	2.18	2.12	0.66	1.46
25	1.58	1.16	1.84	2.72	3.24	1.84	1.88	1.73	1.34	2.20	1.62	1.60
26	1.95	0.74	1.96	2.68	2.97	1.74	1.78	1.94	1.92	2.23	1.55	1.54
27	2.10	1.61	2.30	3.40	2.65	1.72	1.71	1.96	2.00	2.25	1.81	1.21
28	2.37	1.94	2.23	3.06	2.51	2.02	1.81	1.82	1.94	2.39	1.65	0.85
29	2.24	-----	2.39	2.90	2.54	1.78	1.51	1.87	2.10	2.51	2.07	0.43
30	2.56	-----	0.85	2.40	2.91	1.75	1.88	1.85	2.15	3.15	1.93	0.90
31	1.35	-----	1.88	-----	3.10	-----	2.06	2.26	-----	2.87	-----	0.64

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.50	1.62	1.73	2.51	3.10	2.33	1.88	1.85	2.21	2.00	1.50	2.16
MAX	5.25	2.44	2.90	3.70	4.30	3.57	2.43	2.26	2.64	3.15	2.26	4.82
MIN	1.05	0.74	0.85	1.50	1.50	1.52	1.35	1.40	0.93	1.41	0.48	0.43
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.12.

HIGHEST STAGE WAS 5.37 AT 9:30 A.M. ON JAN 11.

LOWEST STAGE WAS MINUS 0.34 ON NOV 24.

## DAILY STAGE FOR 1991

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. E.)

LOCATION. LAT. 30-15-13, LONG. 93-13-05. IN NAVIGATION CHANNEL ON EAST SIDE OF STRUCTURE.  
(STA. 7347221.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.40 FEET ON JUL. 2 AND 3, 1989. LOWEST, MINUS 0.75 FOOT ON FEB. 3, 1970.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.50	2.60	3.70	2.50	3.00	3.60	2.50	2.50	3.20	2.95	3.05	2.70
2	2.80	2.70	3.20	2.50	2.80	3.40	2.35	2.60	3.15	3.00		2.40
3	2.25	2.50	2.35	2.70	3.00	3.00	2.40	2.60	3.25	3.10	2.20	2.10
4	2.90	2.25	1.25	2.70	2.80	2.70	2.30	2.55	3.20	3.10	2.55	1.50
5	2.90	2.35	1.90	2.40	3.20	2.20	2.40	2.60	3.45	3.05	2.50	2.65
6	2.85	2.10	2.15	2.40	2.20	2.35	2.90	2.65	3.20	2.30	2.80	2.95
7	2.30	2.20	1.50	2.50	2.50	2.95	3.05	2.70	3.40	2.60	3.00	2.60
8	2.00	2.70	2.30	2.95	3.35	3.80	3.00	2.70	2.90	2.75	1.90	2.70
9	2.20	2.30	2.30	2.80	3.90	3.65	3.00	2.00	3.10	2.95	1.70	2.80
10	3.70	2.30	2.20	2.40	4.35	3.80	3.00	2.60	3.25	2.75	2.60	2.00
11	4.45	2.50	2.30	3.30	4.60	4.05	2.80	2.80	3.30	2.60	2.30	2.65
12	4.15	2.55	2.15	3.80	4.70	3.70	2.70	2.80	3.30	2.60	2.35	2.60
13	3.90	2.80	2.70	3.60	4.55	3.30	2.70	2.30	3.25	2.40	2.20	2.60
14	3.70	2.30	2.10	3.60	4.10	2.90	2.00	2.30	3.40	2.45	2.60	3.10
15	4.35	2.00	2.40	3.60	4.20	2.80	2.00	2.90	3.35	2.40	2.70	3.15
16	3.00	1.90	2.70	3.60	4.30	2.50	2.10	2.70	3.15	2.40	2.40	4.00
17	3.00	3.00	3.55	3.50	4.00	2.30	2.30	2.90	3.00	2.50	2.60	4.80
18	3.35	2.70	2.50	3.35	3.90	2.40	2.55	2.85	3.00	2.50	3.25	4.50
19	4.00	2.85	2.60	3.45	3.70	2.35	2.50	2.55	2.75	2.45	2.95	3.95
20	2.90	1.90	2.70	3.00	3.70	2.70	2.70	2.45	1.70	2.45	3.00	4.40
21	2.10	2.00	2.55	2.60	3.50	2.80	2.60	2.70	2.50	2.45	2.25	4.30
22	1.95	2.80	2.40	2.80	3.60	2.85	2.30	2.70	2.85	2.50	2.85	3.30
23	2.20	1.80	2.15	2.95	4.20	2.85	2.75	2.30	2.85	2.70	1.80	3.40
24	2.65	2.60	2.20	3.00	4.30	2.75	2.75	2.70	2.90	2.90	1.80	2.20
25	2.20	2.25	2.60	3.55	3.80	2.50	2.80	2.40	2.30	3.05	2.50	2.35
26	2.70	2.50	2.60	3.40	3.55	2.40	2.50	2.65	2.80	3.00	2.70	2.30
27	2.70	2.75	3.10	4.20	3.20	2.20	2.45	2.80	2.70	3.00	2.90	2.05
28	2.90	2.95	3.00	3.75	3.10	2.40	2.50	2.60	2.70	3.10	2.50	1.90
29	3.00	-----	3.15	3.60	3.00	2.65	2.40	2.65	2.90	3.10	2.60	1.45
30	3.40	-----	1.60	3.05	3.45	2.50	2.70	2.60	2.90	3.95	2.70	2.05
31	2.15	-----	2.55	-----	3.55	-----	2.70	3.00	-----	3.60	-----	2.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.97	2.43	2.47	3.12	3.61	2.88	2.57	2.62	2.99	2.80	2.56	2.82
MAX	4.45	3.00	3.70	4.20	4.70	4.05	3.05	3.00	3.45	3.95	3.25	4.80
MIN	1.95	1.80	1.25	2.40	2.20	2.20	2.00	2.00	1.70	2.30	1.70	1.45
DAYS	31	28	31	30	31	30	31	31	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364  
 THE MEAN STAGE FOR THE YEAR WAS 2.82.  
 HIGHEST STAGE WAS 4.80 ON DEC 17.  
 LOWEST STAGE WAS 1.25 ON MAR 4.

## DAILY STAGE FOR 1991

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. W.)

LOCATION. LAT. 30-15-13, LONG. 93-13-06. IN NAVIGATION CHANNEL ON WEST SIDE OF STRUCTURE.  
(STA. 7347321.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.21 FEET ON JUL. 2, 1989. LOWEST, MINUS 3.00 FEET ON FEB. 28, 1984.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.39	2.49	3.65	2.15	2.95	3.15	1.70	1.91	3.20	2.97	2.80	2.34
2	2.79	2.59	3.08	2.10	2.80	3.00	2.00	2.22	3.06	3.39	2.00	2.15
3	2.91	2.10	2.12	2.09	2.90	2.55	2.05	2.47	3.31	3.22	2.27	1.83
4	2.54	1.88	0.95	2.14	2.69	2.40	2.00	2.50	3.39	3.25	1.70	1.25
5	2.69	2.27	1.79	1.82	2.77	2.09	1.99	2.60	3.34	3.06	2.41	2.32
6	2.49	1.89	2.00	1.99	1.90	2.01	2.83	2.57	3.47	1.98	2.56	2.61
7	1.80	1.11	1.31	1.84	2.19	2.83	3.00	2.62	3.29	2.82	2.74	2.47
8	1.48	1.30	1.14	2.50	3.10	3.80	2.99	2.60	3.00	3.17	1.55	2.63
9	1.80	1.37	1.25	2.60	3.50	3.60	3.11	2.53	2.89	3.09	1.59	2.77
10	3.40	1.49	1.15	2.29	3.90	4.20	3.04	2.13	3.20	2.79	2.35	1.84
11	3.61	1.40	1.90	3.21	4.10	3.94	2.81	2.02	3.23	2.50	2.07	2.59
12	2.98	1.70	2.11	3.73	4.05	3.74	2.54	2.19	3.25	2.61	2.23	2.47
13	2.91	2.50	1.90	3.62	4.10	3.07	2.24	1.91	3.22	2.39	2.03	2.58
14	3.00	1.95	1.74	3.69	3.31	2.92	2.05	2.00	3.32	2.53	2.52	2.50
15	3.70	1.69	2.33	3.50	3.90	2.65	1.63	2.82	3.39	2.10	2.64	2.24
16	2.40	1.88	3.25	3.51	3.85	2.40	1.60	2.52	3.21	2.10	2.38	2.95
17	2.69	3.26	3.84	3.10	3.39	2.20	1.81	2.35	3.05	2.63	2.44	3.49
18	3.12	2.60	2.45	2.98	3.27	2.30	2.21	2.70	3.11	2.58	3.15	3.28
19	3.65	2.50	2.50	2.79	3.16	2.26	2.39	2.50	2.79	2.39	2.85	3.02
20	2.52	1.30	2.50	2.49	3.29	2.51	2.56	2.56	2.08	2.43	2.20	3.99
21	1.61	1.24	1.99	2.18	3.12	2.72	2.54	2.56	2.79	2.52	2.11	3.97
22	1.37	1.52	2.10	2.65	3.22	3.05	2.71	2.58	2.91	2.69	2.72	3.08
23	1.75	0.20	1.72	2.79	4.10	2.87	2.64	2.49	2.91	2.78	2.50	3.25
24	2.35	1.44	1.09	2.91	4.18	2.72	2.59	2.52	3.04	3.28	1.20	2.08
25	1.82	1.70	1.55	3.50	3.81	2.60	2.48	2.31	2.07	3.40	2.20	2.24
26	2.40	1.30	2.20	3.40	3.70	2.45	2.29	2.20	2.59	3.40	2.59	2.22
27	2.48	2.33	3.08	4.30	3.58	2.25	2.19	2.59	2.56	3.60	2.71	1.98
28	2.80	2.79	3.04	4.03	3.27	2.44	2.12	2.49	2.68	3.82	2.30	1.60
29	2.90	-----	3.27	3.52	2.85	2.14	1.60	2.57	3.11	3.72	2.40	1.16
30	3.20	-----	1.45	3.00	3.20	2.10	1.69	2.45	3.10	3.89	2.29	1.85
31	1.96	-----	2.15	-----	3.30	-----	1.70	3.00	-----	3.54	-----	1.76

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.56	1.85	2.15	2.88	3.34	2.77	2.29	2.43	3.02	2.92	2.32	2.47
MAX	3.70	3.26	3.84	4.30	4.18	4.20	3.11	3.00	3.47	3.89	3.15	3.99
MIN	1.37	0.20	0.95	1.82	1.90	2.01	1.60	1.91	2.07	1.98	1.20	1.16
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.59.  
 HIGHEST STAGE WAS 4.60 AT 11:30 A.M. ON MAY 15.  
 LOWEST STAGE WAS MINUS 0.10 ON FEB 15.

## DAILY STAGE FOR 1991

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. W.)

LOCATION. LAT. 30-15-13, LONG. 93-13-06. IN NAVIGATION CHANNEL ON WEST SIDE OF STRUCTURE.  
(STA. 7347421.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET ON JUL. 3, 1989. LOWEST, MINUS 2.30 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.40	2.50	3.60	2.15	2.75	3.20	2.00	2.00	3.15	3.00	2.95	2.40
2	2.80	2.60	3.10	2.10	2.75	3.00	1.85	2.25	3.10	3.40		2.20
3	2.90	2.20	2.10	2.05	2.90	2.55	2.20	2.45	3.30	3.20	2.00	1.90
4	2.55	1.80	0.90	2.15	2.70	2.40	2.20	2.50	3.40	3.25	2.25	1.30
5	2.60	2.20	1.70	1.80	2.80	2.10	1.95	2.60	3.35	3.05	1.70	2.30
6	2.50	1.85	2.00	1.90	1.90	2.05	2.80	2.60	3.30	1.95	2.60	2.65
7	1.80	1.20	1.30	1.80	2.25	2.90	3.00	2.65	3.30	2.80	2.70	2.45
8	1.45	1.35	1.50	2.50	3.15	3.90	2.95	2.60	3.00	3.30	1.50	2.65
9	1.80	1.40	1.25	2.60	3.55	3.60	3.10	2.50	2.90	3.05	1.50	2.75
10	3.40	1.45	1.05	2.30	3.95	4.20	2.95	2.40	3.25	2.80	2.50	1.85
11	3.65	1.40	1.90	3.25	4.00	3.95	2.80	2.00	3.20	2.50	2.10	2.60
12	3.00	1.70	1.95	3.75	4.00	3.60	2.60	2.10	3.25	2.60	2.25	2.40
13	2.90	2.70	1.90	3.60	4.10	3.20	2.50	1.65	3.25	2.40	2.05	2.55
14	3.00	2.00	1.70	3.60	3.75	2.80	1.70	2.10	3.35	2.55	2.50	2.50
15	4.00	1.65	2.30	3.25	3.85	2.65	1.50	2.80	3.40	2.15	2.60	2.15
16	2.40	1.85	3.25	3.30	4.10	2.40	1.50	2.55	3.20	2.15	2.35	2.90
17	2.40	3.25	3.85	3.00	3.50	2.15	1.75	2.80	3.15	2.60	2.50	3.65
18	3.20	2.55	2.45	2.90	3.20	2.35	2.20	2.75	3.15	2.60	3.25	3.30
19	3.65	2.40	2.40	2.75	3.20	2.30	2.40	2.50	2.75	2.45	2.90	3.10
20	2.45	1.20	2.55	2.45	3.30	2.55	2.60	2.55	2.10	2.45	2.35	4.00
21	1.60	1.25	2.00	2.15	3.15	2.75	2.55	2.55	2.75	2.55	2.15	3.95
22	1.30	1.60	2.10	2.65	3.40	3.05	2.60	2.60	2.95	2.80	2.75	3.05
23	1.75	0.30	1.75	2.80	4.20	2.80	2.80	2.45	2.90	2.90	2.50	3.25
24	2.35	1.40	1.20	2.95	4.20	2.75	2.55	2.55	3.00	3.25	1.25	2.10
25	1.85	1.80	1.55	3.50	3.80	2.60	2.45	2.30	3.10	3.45	2.25	2.25
26	2.40	1.30	2.35	3.35	3.65	2.50	2.20	2.15	2.50	3.45	2.60	2.25
27	2.45	2.30	3.10	4.35	3.30	2.45	2.10	2.60	2.50	3.60	2.75	1.95
28	2.80	2.80	3.05	4.00	3.25	2.20	1.60	2.50	2.65	3.85	2.35	1.60
29	2.90	-----	3.25	3.50	3.20	2.60	1.55	2.55	3.05	3.75	2.40	1.15
30	3.30	-----	1.40	3.00	3.45	2.40	1.60	2.50	3.15	3.90	2.40	1.85
31	1.95	-----	2.30	-----	3.45	-----	1.90	3.00	-----	3.55	-----	1.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.56	1.86	2.15	2.85	3.38	2.80	2.27	2.45	3.01	2.95	2.34	2.48
MAX	4.00	3.25	3.85	4.35	4.20	4.20	3.10	3.00	3.40	3.90	3.25	4.00
MIN	1.30	0.30	0.90	1.80	1.90	2.05	1.50	1.65	2.10	1.95	1.25	1.15
DAYS	31	28	31	30	31	30	31	31	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 2.60.

HIGHEST STAGE WAS 4.35 ON APR 27.

LOWEST STAGE WAS 0.30 ON FEB 23.

## DAILY STAGE FOR 1991

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (FLDY. E.)

LOCATION. LAT. 30-15-08, LONG. 93-13-05. IN FLOODWAY CHANNEL ON EAST SIDE OF STRUCTURE AT GATE NUMBER ONE. (STA. 7347621.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.40 FEET ON JUL. 2 AND 3, 1989. LOWEST, MINUS 0.75 FOOT ON FEB. 3, 1970.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.50	2.60	3.70	2.50	3.00	3.60	2.50 G	2.50	3.20 G	2.95	3.05	2.70
2	2.80	2.70	3.20	2.50	2.80	3.40	2.35 G	2.60	3.15	3.00		2.40
3	3.25	2.50	2.35	2.70	3.00	3.00	2.40 G	2.60	3.25 G	3.10	2.20	2.10
4	2.90	2.25	1.25	2.70	2.80	2.70	2.30 G	2.55 G	3.20 G	3.10	2.55	1.50
5	2.90	2.35	1.90	2.40	3.20	2.20	2.40 G	2.60	3.45 G	3.05	2.50	2.65
6	2.85	2.10	2.15	2.40	2.20	2.35	2.90 G	2.65	3.20 G	2.30	2.80	2.95
7	2.30	2.20	1.50	2.50	2.40	2.95	3.05 G	2.70	3.40 G	2.60	3.00	2.60
8	2.00	2.70	2.30	2.95	3.35	3.80	3.00 G	2.70	2.90 G	2.75	1.90	2.70
9	2.20	2.30	2.30	3.25	3.90	3.65	3.00 G	2.00 G	3.10 G	2.95	1.70	2.80
10	3.70	2.30	2.30	2.40	4.35	3.80	3.00 G	2.60	3.25 G	2.75	2.60	2.00
11	4.45	2.50	2.30	3.30	4.60	4.05	2.80	2.80	3.30 G	2.60	2.30	2.65
12	4.15	2.55	2.15	3.80	4.70	3.70	2.70	2.80	3.30 G	2.60	2.35	2.50
13	3.90	2.80	2.70	3.60	4.55	3.30	2.70	2.30	3.25 G	2.40	2.20	2.60
14	3.70	2.30	2.15	3.65	4.20	2.90	2.00	2.30	3.40 G	2.45	2.60	3.10
15	4.35	2.00	2.40	3.60	4.20	2.80	2.00	2.90	3.35 G	2.40	2.70	3.15
16	3.00	1.90	2.70	3.60	4.30	2.50	2.10	2.70	3.15 G	2.40	2.40	4.00
17	3.00	3.00 G	3.55	3.50	4.00	2.30	2.30	2.90	3.00 G	2.50	2.60	4.80
18	3.35	2.70	2.50	3.35	3.90	2.40	2.55	2.85	3.00 G	2.50 G	3.25	3.95
19	4.00	2.85	2.65	3.45	3.70	2.35	2.50	2.55	2.75 G	2.45	2.95	3.95
20	2.90	1.90	2.70	3.00	3.70	2.70	2.70	2.45	1.70 G	2.45	3.00	4.40
21	2.10	2.00	2.55	2.60	3.50	2.80	2.60 G	2.70 G	2.50 G	2.45	2.25	4.30
22	1.95	2.80	2.40	2.80	3.60	2.85	2.30 G	2.70 G	2.85 G	2.50	2.85	3.30
23	2.20	1.75	2.15	2.95	4.20 G	2.85	2.75 G	2.30 G	2.85 G	2.70	2.80	3.40
24	2.65	2.60	2.20	3.00	4.30 G	2.75 G	2.75 G	2.70 G	2.90 G	2.90	1.80	2.20
25	2.20	2.25 G	2.60	3.55	3.80	2.50 G	2.80	2.40 G	2.35 G	3.05	2.50	2.35
26	2.70	2.50 G	2.60	3.40	3.55	2.40 G	2.50	2.65	2.80 G	3.00	2.70	2.30
27	2.70	2.75 G	3.10	4.20	3.20	2.20 G	2.45	2.80 G	2.70 G	3.00	2.90	2.05
28	2.90	2.95 G	3.00	3.75	3.10	2.40 G	2.50	2.60 G	2.70 G	3.10	2.50	1.90
29	3.00	----- G	3.15	3.60	3.00	2.50 G	2.40	2.65 G	2.90 G	3.10	2.60	1.45
30	3.40	-----	2.55	3.05	3.45	2.50 G	2.70 G	2.60 G	2.90	3.95	2.55	2.05
31	2.15	-----	1.60	-----	3.55	----- G	2.70 G	3.00	-----	3.60	-----	2.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.97	2.43	2.47	3.13	3.62	2.87	2.57	2.62	2.99	2.80	2.56	2.80
MAX	4.45	3.00	3.70	4.20	4.70	4.05	3.05	3.00	3.45	3.95	3.25	4.80
MIN	1.95	1.75	1.25	2.40	2.20	2.20	2.00	2.00	1.70	2.30	1.70	1.45
DAYS	31	28	31	30	31	30	31	31	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 2.82.

HIGHEST STAGE WAS 4.80 ON DEC 17.

LOWEST STAGE WAS 1.25 ON MAR 4.

## DAILY STAGE FOR 1991

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (FLDY. W.)

LOCATION. LAT. 30-15-08, LONG. 93-13-05. IN FLOODWAY CHANNEL ON WEST SIDE OF STRUCTURE AT GATE NUMBER ONE. (STA. 7347821.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET ON JUL. 3, 1989. LOWEST, MINUS 2.30 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.40	2.50	3.60	2.15	2.95	3.20	2.00 G	2.00	3.15 G	3.00	2.95	2.40
2	2.80	2.60	3.10	2.10	2.75	3.00	1.85 G	2.25	3.10	3.40		2.20
3	2.90	2.20	2.10	2.05	2.90	2.55	2.20 G	2.45	3.30 G	3.20	2.00	1.90
4	2.55	1.80	0.90	2.15	2.70	2.45	2.20 G	2.50 G	3.40 G	3.25	2.25	1.30
5	2.60	2.20	1.70	1.80	2.80	2.10	1.95 G	2.60	3.35 G	3.05	1.70	2.30
6	2.50	1.85	2.00	1.90	1.90	2.05	2.80 G	2.60	3.50 G	1.95	2.60	2.65
7	1.80	1.20	1.30	1.80	2.25	2.90	3.00 G	2.65	3.30 G	2.80	2.70	2.45
8	1.45	1.35	1.50	2.50	3.15	3.90	2.95 G	2.60	3.00 G	3.15	1.50	2.65
9	1.80	1.40	1.25	2.60	3.55	3.60	3.10	2.50 G	2.90 G	3.05	1.50	2.75
10	3.40	1.45	1.05	2.30	3.95	4.20	2.95	2.40	3.25 G	2.80	2.50	1.85
11	3.65	1.40	1.90	3.25	4.00	3.95	2.80	2.00	3.20 G	2.50	2.10	2.60
12	3.00	1.70	1.95	3.75	4.00	3.60	2.60	2.10	3.25 G	2.60	2.25	2.40
13	2.90	2.70	1.90	3.60	4.10	3.20	2.50	1.65	3.25 G	2.60	2.05	2.55
14	3.30	2.00	1.70	3.60	3.75	2.80	1.70	2.10	3.35 G	2.55	2.50	2.50
15	4.00	1.65	2.30	3.25	3.85	2.65	1.50	2.80	3.40 G	2.15	2.60	2.15
16	2.40	1.85	3.25	3.25	4.10	2.40	1.50	2.55	3.20 G	2.15	2.35	2.90
17	2.40	3.25 G	3.85	3.00	3.50	2.15	1.75	2.80	3.15 G	2.60	2.50	3.65
18	3.20 G	2.55	2.45	2.90	3.20	2.35	2.20	2.75	3.15 G	2.50 G	3.25	3.10
19	3.65 G	2.40	2.40	2.80	3.20	2.30	2.40	2.50	2.75 G	2.45	2.90	3.10
20	2.40	1.20	2.55	2.45	3.30	2.55	2.60	2.55	2.10 G	2.45	2.35	4.00
21	1.60	1.25	2.00	2.15	3.15	2.75	2.55 G	2.55 G	2.75 G	2.55	2.15	3.95
22	1.30	1.60	2.10	2.65	3.40	3.05	2.60 G	2.60 G	2.95 G	2.80	2.75	3.05
23	1.75	0.30	1.20	2.80	4.20 G	2.80	2.80	2.45 G	2.90 G	2.90	2.50	3.25
24	2.35	1.40	1.20	2.95	4.20 G	2.75 G	2.55 G	2.55 G	3.00 G	3.25	1.25	2.10
25	1.85	1.80 G	1.55	3.50	3.80	2.60 G	2.45	2.30 G	2.10 G	3.45	2.25	2.25
26	2.40	1.30 G	2.35	3.35	3.65	2.50 G	2.20	2.15	2.50 G	3.45	2.60	2.25
27	2.45	2.30 G	3.10	4.35	3.30	2.45 G	2.10	2.60 G	2.50 G	3.60	2.75	1.95
28	2.80	2.80 G	3.05	4.00	3.25	2.20 G	1.60	2.50 G	2.50 G	3.85	2.35	1.60
29	2.90	-----	3.25	3.50	3.20	2.40 G	1.55	2.55 G	3.05 G	3.75	2.40	1.15
30	3.30	-----	2.30	3.00	3.45	2.40 G	1.60 G	2.50 G	3.15	3.90	2.30	1.85
31	1.95	-----	1.40	-----	3.45	-----	1.90 G	3.00	-----	3.55	-----	1.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.57	1.86	2.14	2.85	3.39	2.79	2.27	2.45	3.01	2.94	2.34	2.47
MAX	4.00	3.25	3.85	4.35	4.20	4.20	3.10	3.00	3.50	3.90	3.25	4.00
MIN	1.30	0.30	0.90	1.80	1.90	2.05	1.50	1.65	2.10	1.95	1.25	1.15
DAYS	31	28	31	30	31	30	31	31	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 2.60.

HIGHEST STAGE WAS 4.35 ON APR 27.

LOWEST STAGE WAS 0.30 ON FEB 23.

## DAILY STAGE FOR 1991

CALCASTEU RIVER AND PASS AT LAKE CHARLES, LA.

LOCATION. LAT. 30-13-05, LONG. 93-15-12. ON EAST END OF LAKE CHARLES HARBOR TERMINAL DISTRICT DOCKS. (STA. 7355021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 19, 1937 TO OCT. 4, 1973 AND MAR. 21, 1974 TO DATE.

EXTREMES. HIGHEST, 9.8 FEET ON MAY 22, 1953. LOWEST, MINUS 2.40 FEET ON FEB. 28, 1984.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.59 FOOT, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.69	2.89	3.89	2.57	3.60	3.75	2.63	2.56	3.57	3.20	3.00	2.70
2	3.18	2.96	3.59	2.51	3.58	3.39	2.77	2.71	3.41	3.68	2.23	2.43
3	3.32	2.53	2.67	2.70	3.62	2.99	2.75	2.82	3.57	3.26	2.43	2.12
4	2.97	2.26	1.51	2.79	3.22	2.94	2.57	2.88	3.73	3.30	1.94	1.50
5	3.07	2.67	2.25	2.35	3.23	2.46	2.75	2.93	3.73	2.97	2.87	2.59
6	2.89	2.14	2.41	2.38	2.14	2.35	3.16	2.80	3.80	2.25	2.93	2.87
7	2.19	1.53	1.74	2.27	2.49	3.16	3.57	2.97	3.77	3.05	3.17	2.72
8	1.90	1.56	1.54	2.76	3.33	4.13	3.40	2.95	3.51	3.46	2.00	2.92
9	2.22	1.71	1.49	2.72	3.64	3.99	3.42	3.04	3.32	3.25	2.05	3.00
10	3.70	1.84	1.41	2.29	4.02	4.56	3.35	2.87	3.58	3.03	2.76	2.21
11	3.76	1.65	2.14	3.43	4.14	4.40	3.30	2.71	3.50	2.78	2.45	2.90
12	2.94	2.04	2.36	3.87	4.32	4.22	3.06	2.74	3.63	2.91	2.63	2.69
13	3.04	2.76	2.31	4.13	4.38	3.92	2.79	2.49	3.54	2.68	2.41	2.86
14	4.23	2.23	1.99	4.34	4.21	3.74	2.49	2.91	3.52	2.85	2.86	2.54
15	4.21	1.96	2.62	3.98	4.55	3.40	2.24	3.22	3.62	2.85	2.93	2.22
16	2.63	2.21	3.64	4.03	4.26	3.01	2.14	2.82	3.40	2.34	2.66	2.78
17	3.04	3.59	4.21	3.84	3.70	2.85	2.37	3.13	3.12	2.87	2.85	3.19
18	3.52	2.96	2.89	3.69	3.59	2.49	2.55	2.96	3.39	2.71	3.35	3.04
19	3.97	2.94	2.96	3.41	3.44	2.57	2.72	2.80	3.00	2.55	3.14	2.93
20	3.05	1.73	3.14	2.58	3.53	2.63	2.91	2.85	2.50	2.66	2.67	4.00
21	2.00	1.75	2.54	2.38	3.41	2.95	2.95	2.86	3.04	2.70	2.36	4.10
22	1.76	1.85	2.65	2.77	3.61	3.31	3.02	2.80	3.10	2.97	2.96	3.33
23	2.13	0.47	2.13	2.68	4.49	3.15	3.09	2.99	3.08	3.06	2.77	3.44
24	2.61	1.76	1.59	2.96	4.44	3.10	2.92	2.80	3.37	3.60	1.52	2.41
25	2.24	2.02	1.86	3.69	4.33	3.06	2.93	2.69	2.22	3.49	2.52	2.65
26	2.59	1.59	2.49	3.77	4.19	2.97	2.82	2.65	2.98	3.56	2.89	2.57
27	2.76	2.58	3.24	4.68	4.03	3.24	2.75	2.99	2.87	3.91	3.05	2.32
28	3.16	3.04	3.25	4.41	3.94	3.09	2.76	2.83	3.06	4.12	2.66	1.96
29	3.16	-----	3.20	4.16	3.85	2.83	2.43	2.95	3.46	4.00	2.75	1.53
30	3.47	-----	1.88	3.69	3.95	2.91	2.51	2.89	3.42	3.95	2.67	2.12
31	2.35	-----	2.59	-----	4.00	-----	2.76	3.43	-----	3.80	-----	2.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.90	2.19	2.52	3.26	3.78	3.25	2.83	2.87	3.33	3.14	2.65	2.67
MAX	4.21	3.59	4.21	4.68	4.55	4.56	3.57	3.43	3.80	4.12	3.35	4.10
MIN	1.76	0.47	1.41	2.27	2.14	2.35	2.14	2.49	2.22	2.25	1.52	1.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.95.  
 HIGHEST STAGE WAS 4.84 AT 10:00 A.M. ON MAY 15.  
 LOWEST STAGE WAS 0.38 ON FEB 23.

## DAILY STAGE FOR 1991

CALCASIEU RIVER AND PASS AT HACKBERRY, LA.

LOCATION. LAT. 30-00-20, LONG. 93-20-05. ON AMERICAN OIL CO. WHARF ABOUT 900 FEET SOUTH OF BLACK LAKE BAYOU. (STA. 7360021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. APR. 1943 TO DATE. PRIOR TO AUG. 1970 GAGE WAS LOCATED IN BLACK LAKE BAYOU.

EXTREMES. HIGHEST, 7.25 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.36 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.55 FOOT, NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.25	1.75	2.62	1.30	2.70	2.80	2.07	1.85	2.81	2.58	2.06	1.83
2	1.70	1.95	2.38	1.36	2.65	2.49	2.27	2.03	2.72	3.00	1.20	1.52
3	1.71	1.70	1.69	1.69	2.68	2.15	2.19	2.16	2.80	2.60	1.35	1.09
4	1.55	1.47	0.53	1.70	2.37	2.09	2.11	2.21	3.02	2.63	0.99	0.45
5	1.98	1.73	1.30	1.45	2.36	1.62	2.22	2.25	3.10	2.40	1.77	1.44
6	1.70	1.19	1.36	1.40	1.30	1.55	2.35	2.10	3.01	1.56	1.85	1.79
7	1.01	0.79	0.94	1.29	1.65	2.10	2.60	2.28	2.90	2.18	2.11	1.58
8	0.81	0.46	0.59	1.69	2.18	3.02	2.56	2.20	2.59	2.39	1.16	1.77
9	0.94	0.54	0.51	1.58	2.44	3.04	2.48	2.09	2.45	2.26	1.25	1.97
10	2.12	0.59	0.46	1.30	2.86	3.41	2.49	1.97	2.70	2.02	1.75	1.51
11	2.05	0.52	1.10	2.19	2.81	3.24	2.44	1.71	2.74	1.84	1.52	1.95
12	1.12	0.77	1.34	2.54	2.97	3.09	2.27	1.76	2.88	2.00	1.72	1.89
13	1.39	1.50	1.01	2.80	3.11	2.86	2.18	1.70	2.80	1.90	1.55	2.13
14	1.70	1.05	0.78	3.06	3.11	2.70	2.02	2.16	2.78	2.05		1.50
15	2.35	0.70	1.35	2.90	3.55	2.48	1.85	2.45	2.95	1.62		1.15
16	1.15	0.91	2.45	2.95	3.36	2.16	1.81	2.00	2.75	1.66		1.55
17	1.60	2.34	2.99	2.75	2.92	2.01	1.75	2.31	2.53	2.15		1.88
18	2.00	2.00	1.86	2.70	2.79	1.65	1.77	2.15	2.61	1.99		1.70
19	2.34	2.07	1.82	2.44	2.65	1.70	1.86	1.94	2.26	1.75		1.79
20	2.06	0.90	2.04	1.60	2.54	1.67	2.09	2.01	1.86	1.81 F	1.46	2.91
21	0.99	0.87	1.59	1.45	2.46	1.94	2.19	2.05	2.25	1.80	1.35	2.99
22	1.00	0.56	1.74	1.75	2.77	2.16	2.22	2.01	2.40	1.96	1.79	2.35
23	1.21	-0.52	1.05	1.69	3.45	2.02	2.33	2.05	2.34	2.04	1.60	2.49
24	1.27	0.43	0.65	1.82	3.34	2.02	2.12	2.02	2.54	2.55	0.54	1.71
25	1.09	0.70	0.90	2.40	3.30	2.19	2.05	1.90	1.44	2.52	1.46	1.90
26	1.12	0.21	1.54	2.68	3.09	2.15	1.92	1.85	2.00	2.69	2.01	1.89
27	1.27	1.09	2.13	3.50	2.98	2.23	1.80	2.19	2.06	3.00	2.26	1.70
28	1.55	1.57	2.05	3.39	2.92	2.35	1.82	2.01	2.34	3.33	1.96	1.22
29	1.83	-----	2.00	3.32	2.91	2.22	1.60	2.15	2.67	3.32	1.99	0.85
30	2.14	-----	1.01	2.78	3.00	2.35	1.58	2.20	2.74	3.39	1.81	1.19
31	1.09	-----	1.25	-----	3.08	-----	1.84	2.78	-----	3.07	-----	1.06

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.52	1.07	1.45	2.18	2.78	2.32	2.09	2.08	2.57	2.32	1.60	1.70
MAX	2.35	2.34	2.99	3.50	3.55	3.41	2.60	2.78	3.10	3.39	2.26	2.99
MIN	0.81	-0.52	0.46	1.29	1.30	1.55	1.58	1.70	1.44	1.56	0.54	0.45
DAYS	31	28	31	30	31	30	31	31	30	31	24	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.99.

HIGHEST STAGE WAS 3.87 AT 5:00 A.M. ON OCT 30.

LOWEST STAGE WAS MINUS 0.53 ON FEB 23.

## DAILY STAGE FOR 1991

CALCASIEU RIVER AND PASS NEAR CAMERON, LA.

LOCATION. LAT. 29-46-30, LONG. 93-20-46. AT CALCASIEU RIVER PILOTS DOCKS, TWO MILES SOUTHWEST OF CAMERON, LA. (STA. 7365022.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. APR. 1939 TO DATE.

EXTREMES. HIGHEST, 12.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 3.12 FEET ON FEB. 25, 1965.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.27	1.65	1.30	1.89	3.40	3.52	2.86	2.19	2.84	3.00	1.05	1.90
2	1.06	2.26	1.90	2.25	3.55	3.46	3.03	2.25	2.95	3.35	1.90	1.75
3	0.85	2.35	0.70	2.72	3.49	3.24	2.80	2.30	3.20	3.15	1.21	0.72
4	1.80	2.47	1.40	2.80	3.35	2.71	2.83	2.20	3.57	3.00	0.94	-0.01
5	2.53	2.40	2.03	2.50	3.42	2.50	2.90	2.65	3.65	2.23	1.15	0.56
6	2.46	2.40	2.00	2.75	2.47	2.57	3.05	2.60	3.27	2.00	0.91	0.76
7	1.74	1.93	2.14	2.80	2.95	3.25	3.14	2.65	2.40	1.75	1.10	0.52
8	1.81	1.45	1.60	2.45	3.10	3.90	3.09	2.54	2.10	1.70	0.50	0.81
9	1.65	0.95	1.84	2.50	3.02	4.08		2.35	1.80	1.33	0.85	1.35
10	2.03	0.80	1.36	2.04	3.40	3.79	3.01	1.80	2.30	1.03	1.07	1.56
11	1.55	0.41	1.27	2.64	2.99	3.60	2.71	1.05	2.20	0.77	1.09	1.78
12	-0.30	0.35	1.19	2.65	2.75	3.50	2.66	1.06	2.45	1.07	1.56	2.03
13	0.73	0.94	0.85	2.90	3.15	3.20		1.40	2.30	1.35	1.69	2.41
14	1.06	0.41	0.66	3.06	3.38	3.29	2.63	1.82	2.75	1.65	2.60	1.45
15	1.30	-0.69	1.45	3.02	3.63	3.29	2.37	2.15	2.87	1.90	2.46	1.77
16	0.40	0.74	3.10	3.60	4.00	3.12	2.48	1.97	2.95	2.32	2.42	1.90
17	0.81	1.96	2.85	3.45	4.00	2.85 F	1.20	2.35	2.93	2.48	2.69	1.84
18	1.60	2.18	2.02	3.70	3.83	2.79	2.12	2.25	2.88	2.40	2.32	1.24
19	2.55	2.55	2.80	3.17	3.85	2.73	2.20	2.10	2.40	2.10	1.92	1.06
20	2.29	1.95	3.15	2.81	3.85	2.55	2.53	2.30	2.39	2.19	0.93	1.57
21	1.63	2.30	2.99	3.00	3.54	2.61	2.68	2.27	2.46	2.25	0.05	0.96
22	1.90	1.30	3.01	3.05	3.80	2.41	2.55	2.45	2.35	1.45	0.43	0.70
23	2.25	0.30	2.70	2.50	4.03	2.47	2.35	2.30	2.05	1.22	-0.50	0.85
24	1.95	0.85	2.10	2.50	3.85	2.45	2.56	2.10	1.92	1.67	-0.36	1.15
25	1.85	0.90	1.80	2.66	3.33	2.44	2.40	2.04	1.26	1.80	0.75	1.43
26	1.35	-0.26	1.98	2.85	3.42		2.23	1.76	1.00	1.90	2.05	2.12
27	0.90	-0.05	2.11	3.65	3.35	2.83	2.20	1.61	1.36	2.40	2.65	2.37
28	0.35	0.96	1.55	3.65	3.47	2.79	2.11	1.45	2.05	2.95	2.27	1.95
29	0.85	-----	2.20	3.37	3.40	3.32	1.82	2.10	2.40	3.14	2.63	1.74
30	0.77	-----	1.60	3.30	3.56	2.77	1.80	2.24	2.85	3.40	2.11	1.70
31	0.35	-----	1.40	-----	3.70	-----	1.97	2.55	-----	3.60	-----	1.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.37	1.28	1.90	2.87	3.46	3.04	2.49	2.09	2.46	2.15	1.41	1.39
MAX	2.55	2.55	3.15	3.70	4.03	4.08	3.14	2.65	3.65	3.60	2.69	2.41
MIN	-0.30	-0.69	0.66	1.89	2.47	2.41	1.20	1.05	1.00	0.77	-0.50	-0.01
DAYS	31	28	31	30	31	29	29	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 362

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.16.

HIGHEST STAGE WAS 4.50 AT 10:00 P.M. ON MAY 8.

LOWEST STAGE WAS MINUS 1.10 ON NOV 23.

## DAILY STAGE FOR 1991

## BAYOU DUPRE AT FLOODGATE (WEST) (LA.)

LOCATION. LAT. 29-56-28, LONG. 89-50-24. ON NORTHWEST FENDER OF STRUCTURE. (STA. 7600504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. AUG. 22, 1975 TO DATE.

EXTREMES. HIGHEST, 3.52 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985. LOWEST, MINUS 2.34 FEET ON APR. 12, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		1.68	1.15	0.35	2.14	1.35	1.30	1.40	2.01	1.90	1.95	0.85
2		1.38	1.48	-0.05	1.55	1.02	1.31	1.52	1.98	1.98	1.28	0.55
3		0.59	1.35	0.50	1.42	0.89	1.42	1.51	2.09	1.93	1.40	0.65
4		0.40	-0.40	0.54	1.36	0.75	1.28	1.47	1.93	1.86	1.19	0.25
5		0.85	-0.39	0.50	1.21	0.80	1.27	1.42	2.02	1.64	1.23	0.25
6		0.55	-0.40	0.43	1.12	1.39	1.46	1.37	2.05	1.72	1.00	0.30
7		0.14	-0.34	0.54	1.63	2.17	1.63	1.27	1.66	1.72	1.20	0.45
8		0.04	0.15	0.74	2.06	2.30	1.72	1.15	1.46	1.52	1.34	0.65
9		-0.20	0.51	0.94	2.03	2.19	1.48	1.03	1.63	1.45	0.89	1.00
10 F	1.17	-0.35	-0.02	0.78	2.13	2.17	1.20	0.39	1.95	1.35	0.82	1.05
11	1.84	-0.05	-0.74	1.38	1.99	2.21	0.95	0.68	1.93	1.09	0.77	1.00
12	1.26	0.04	-0.27	1.64	1.78	2.02	0.75	0.70	1.80	1.07	1.14	1.00
13	1.06	0.27	0.16	1.90	1.71	1.80	0.30	0.93	1.70	1.39	1.25	1.10
14	0.78	0.50	0.26	1.85	1.56	1.67	0.50	1.33	1.72	1.50	1.36	0.44
15	1.55	-0.70	1.24	2.07	1.49	1.46	0.30	1.34	1.74	1.40	1.45	1.15
16	1.14	0.14	1.39	1.96	1.40	1.25	0.89	1.49	1.67	1.60	1.30	0.37
17	1.26	0.55	1.61	1.57	1.15	1.00	1.30	1.43	1.59	1.39	1.05	-0.15
18	1.16	0.72	1.45	1.41	1.37	1.10	1.37	1.28	1.62	1.10	1.25	-0.30
19	2.00	0.77	1.15	1.19	1.55	1.28	1.36	1.28	1.64	0.87	1.35	1.25
20	1.00	0.49	0.80	1.26	1.95	1.05	1.37	1.34	1.73	0.85	1.63	2.07
21	0.40	0.19	0.55	0.84	2.51	1.08	1.50	1.25	1.70	0.86	1.25	1.85
22	-0.17	0.08	0.63	0.52	2.64	1.36	1.49	1.10	1.74	1.11	1.07	1.37
23	-0.37	-0.75	0.29	0.76	2.79	1.30	1.36	1.25	1.45	1.53	0.85	1.35
24	1.25	-0.30	0.06	1.31	2.77	1.35	1.20	1.30	1.37	1.77	0.25	1.10
25	1.40	-0.20	0.12	1.85	2.59	1.34	0.97	1.32	1.25	2.03	0.65	1.20
26	0.99	0.25	0.22	2.14	2.46	1.26	0.95	1.12	1.25	2.26	0.85	1.05
27	0.79	0.19	0.45	2.15	2.21	1.42	0.65	1.36	1.60	2.35	1.20	1.29
28	1.64	0.54	0.60	2.20	1.98	1.28	0.86	1.12	1.72	2.25	1.15	1.00
29	1.48	-----	0.90	2.05	1.88	1.35	0.96	1.40	2.00	2.15	0.97	0.20
30	1.95	-----	0.80	2.58	1.72	1.24	0.96	1.60	2.05	2.09	0.90	0.16
31	1.76	-----	0.92	-----	1.55	-----	1.39	1.87	-----	2.11	-----	0.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.15	0.28	0.51	1.26	1.86	1.43	1.14	1.26	1.73	1.61	1.13	0.80
MAX	2.00	1.68	1.61	2.58	2.79	2.30	1.72	1.87	2.09	2.35	1.95	2.07
MIN	-0.37	-0.75	-0.74	-0.05	1.12	0.75	0.30	0.39	1.25	0.85	0.25	-0.30
DAYS	22	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 356

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.19.

HIGHEST STAGE WAS 2.84 AT 1:15 P.M. ON MAY 24.

LOWEST STAGE WAS MINUS 1.82 ON FEB 15.

## DAILY STAGE FOR 1991

BAYOU DUPRE AT FLOODGATE (EAST) (LA.)

LOCATION. LAT. 29-56-35, LONG. 89-50-24. ON NORTHEAST FENDER OF STRUCTURE. (STA. 7601004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. AUG. 22, 1975 TO DATE.

EXTREMES. HIGHEST, 7.62 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.47 FEET ON APR. 12, 1988.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.85	1.70	0.90	0.38	1.90	1.15	1.28	1.41	2.52 F	2.50	1.84	0.83
2	1.13	1.33	1.11	-0.07	1.14	0.84	1.25	1.54	2.37 F	2.50	1.29	0.39
3	1.70	0.55	1.12	0.52	1.05	0.75	1.46	1.53	2.62	2.22	1.27	0.50
4	1.59	0.39	-0.50	0.51	1.10	0.60	1.25	1.52	3.18	1.98	1.07	0.33
5	1.37	0.72	-0.33	0.40	0.88	0.71	1.26	1.57	2.41	1.60	1.14	0.23
6	1.20	0.29	-0.35	0.28	0.95	1.42	1.50	1.52	2.23	1.92	0.75	0.30
7	0.48	-0.21	-0.26	0.38	1.68	2.80	1.74	1.39	1.62	1.68	1.05	0.49
8	0.24	-0.35	0.17	0.47	2.07	2.93	1.82	1.33	1.52	1.47	1.25	0.72
9	0.16	-0.49	0.37	0.82	1.94	3.04	1.51	1.12	1.73	1.35	0.85	1.22
10	1.04	-0.64	-0.13	0.70	2.21	3.00	1.18	0.46	2.04	1.24	0.85	1.28
11	1.29	-0.40	-0.87	1.34	2.05	2.45	0.95	0.75	1.93	1.00	0.89	1.33
12	0.03	-0.39	-0.44	1.57	1.81	2.09	0.72	0.70	1.90	1.14	1.31	1.28
13	0.22	-0.16	-0.15	2.07	1.87	1.76	0.14	0.92	1.80	1.55	1.41	1.18
14	0.05	0.10	0.04	2.28	1.59	1.60	0.35	1.30	1.78	1.65	1.51	0.43
15	0.89	-1.16	1.27	2.00	1.42	1.17	0.19	1.32	1.95	1.53	1.59	1.24
16	0.32	0.12	1.47	1.94	1.32	0.90	0.86	1.53	1.90	1.86	1.27	0.36
17	0.75	0.42	3.04	1.23	1.08	0.67	1.34	1.50	1.76	1.55	0.98	-0.17
18	0.85	0.77	1.34	0.92	1.21	0.95	1.40	1.34	1.88	1.16	1.34	-0.33
19	2.56	0.98	1.15	0.50	1.30	1.22	1.38	1.41	1.87	0.88	1.21	1.38
20	0.99	0.55	0.75	0.59	1.85	0.99	1.42	1.57	1.99	0.87	1.26	2.19
21	0.15	0.08	0.40	0.27	2.67	1.07	1.68	1.37	1.80	0.80	0.90	1.90
22	-0.24	-0.35	0.54	0.14	2.35	1.40	1.62	1.14	1.84	0.90	0.87	1.10
23	-0.53	-0.95	0.10	0.53	1.59	1.30	1.48	1.32 F	1.45	1.37	0.70	1.28
24	0.91	-0.62	-0.14	1.29	3.18	1.37	1.30	1.47 F	1.45	1.65	0.20	0.91
25	0.82	-0.56	-0.02	1.80	2.79	1.36	1.05	1.40 F	1.45	2.04	0.95	1.32
26	0.06	-0.09	0.06	2.05	2.65	1.24	0.95	1.18 F	1.45	2.35	1.12	1.15
27	-0.03	-0.21	0.31	2.10	2.18	1.45	0.75	1.51	1.70	2.52	1.40	1.41
28	0.93	0.20	0.50	2.40	2.00	1.22	0.94	1.16	1.94	3.17	1.30	0.65
29	1.02	-----	0.90	2.18	1.87	1.37	0.95	1.55	2.45	3.20	1.00	0.10
30	1.48	-----	0.80	3.83	1.65	1.25	0.95	1.84 F	2.50 F	3.65	0.93	0.09
31	1.27	-----	0.97	-----	1.45	-----	1.43	2.20	-----	2.75	-----	0.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.76	0.06	0.46	1.18	1.77	1.47	1.16	1.35	1.97	1.81	1.11	0.81
MAX	2.56	1.70	3.04	3.83	3.18	3.04	1.62	2.20	3.18	3.65	1.84	2.19
MIN	-0.53	-1.16	-0.87	-0.07	0.88	0.60	0.14	0.46	1.45	0.80	0.20	-0.33
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.16.

HIGHEST STAGE WAS 3.87 AT 8:30 A.M. ON APR 30.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.50 ON FEB 15.

## DAILY STAGE FOR 1991

BAYOU BIENVENUE AT PARIS ROAD (LA.)

LOCATION. LAT. 29-58-55, LONG. 89-56-47. ON STATE HIGHWAY 47 (PARIS ROAD) BRIDGE.  
(STA. 7602004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. DEC. 19, 1974 TO DATE.

EXTREMES. HIGHEST, 4.82 FEET ON MAY 3, 1978. LOWEST, MINUS 2.93 FEET ON APR. 12, 1968.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.27	1.70	1.38	0.37	2.28	1.40	1.11	1.18	1.93	1.94	2.05	1.36
2	1.23	1.39	1.62	-0.02	1.84	1.22	1.18	1.28	1.92	1.96	1.29	1.28
3	1.69	0.80	1.44	0.52	1.75	0.93	1.10	1.25	2.07	1.84	1.57 F	1.43
4	1.56	0.69	0.16	0.89	1.67	0.83	0.99	1.07	2.06	1.81	1.42	
5	1.37	1.17	-0.13	1.03	1.66	0.74	0.84	0.94	1.98	1.68	1.50 F	0.39
6	1.34	1.07	-0.16	1.06	1.36	1.09	0.95		2.06	1.66	1.41	0.82
7	1.25	0.76	-0.08	1.12	1.73	2.22	1.14	0.83	1.81	1.90	1.48	0.87
8	0.82	0.52	0.44	1.35	2.28	2.38	1.38		1.54	1.72	1.50	0.98
9	0.77	0.27	0.86	1.32	2.28	2.37	1.06		1.63	1.70	1.15	1.09
10	1.59	0.09	0.50	1.14	2.19	2.33	0.80		2.03	1.61	1.04	1.05
11	2.08	0.24	-0.09	1.58	2.04	2.26	0.61		2.09	1.35	0.83	1.20
12	1.39	0.37	0.17	1.88	1.84	1.96	0.45		1.95	1.23	0.95	1.23
13	1.05	0.46	0.54	2.00	1.70	1.76	0.38		1.76	1.17	1.00	1.20
14	0.79	0.53	0.51	1.99	1.54	1.64	0.45		1.63	1.30	1.22	0.85
15	1.32	-0.65	1.10	2.30	1.53	1.53	0.69		1.59	1.23	1.46	1.09
16	1.00	0.03	1.51	1.99	1.40	1.54	0.62		1.55	1.38	1.40	0.84
17	1.00	0.44	1.96	1.81	1.42	1.26	0.95		1.45	1.21	1.37	0.55
18	0.95	0.61	1.61	1.68	1.63	0.99	1.09		1.44	1.00	1.60	0.50
19	2.12	0.91	1.25	1.72	1.87	1.09	1.05		1.57	1.02	1.84	1.20
20	1.22	0.73	1.11	1.80	2.14	0.92	0.94		1.66	1.00	2.00	2.20
21	0.39	0.70	1.03	1.42		0.71	1.05		1.66	1.14	1.70	2.25
22	0.09	0.87	1.10	1.15 F	2.78	0.89	1.08		1.74	1.44	1.52	1.90
23	0.00	-0.10	0.87	1.21	2.94	0.81	0.95		1.72	1.78	1.35	1.74
24	1.33	0.21	0.74	1.44	3.03	0.87	0.82		1.63	2.01	0.59	1.38
25	1.58	0.36	0.70	1.99	2.72	0.86	0.64		1.40	2.26	0.58	1.21
26	1.26	0.54	0.80	2.38	2.53	0.85	0.70		1.40	2.36	0.65	1.07
27	0.99	0.51	1.02	2.47	2.19	0.98	0.51		1.47	2.40	0.92	1.35
28	1.50	0.68	0.91	2.19	1.96	1.01	0.60 F	1.38	1.57	2.34	1.05	1.57
29	1.65	-----	1.01	2.11	1.88	1.05	0.70	1.44	1.92	2.24	1.14	0.78
30	2.10	-----	0.60	-----	1.72	1.03	0.74	1.53	1.97	2.21	1.29	0.79
31	1.78	-----	0.84	-----	1.61	-----	1.10	1.81	-----	2.15	-----	0.83

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.24	0.57	0.82	1.51	1.98	1.32	0.86	1.27	1.74	1.68	1.30	1.17
MAX	2.12	1.70	1.96	2.47	3.03	2.38	1.38	1.81	2.09	2.40	2.05	2.25
MIN	0.00	-0.65	-0.16	-0.02	1.36	0.71	0.38	0.83	1.40	1.00	0.58	0.39
DAYS	31	28	31	29	30	30	31	10	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 341

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.29.

HIGHEST STAGE WAS 3.07 AT 5:00 P.M. ON MAY 24.

LOWEST STAGE WAS MINUS 1.50 ON FEB 15.

## DAILY STAGE FOR 1991

## BAYOU BIENVENUE AT FLOODGATE (WEST) (LA.)

LOCATION. LAT. 29-59-47, LONG. 89-54-57. ON NORTHWEST FENDER OF STRUCTURE. (STA. 7602404.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 9, 1975 TO DATE.

EXTREMES. HIGHEST, 3.91 FEET ON APR. 13, 1980. LOWEST, (FROM INCOMPLETE RECORD) MINUS 2.03 FEET ON MAY 3, 1978.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0.51	2.43	1.40	1.25		2.10	1.99	2.13	1.28
2				0.14	1.86	1.15	1.30		2.10	2.03	1.45	1.13
3				0.65	1.80	0.95	1.30		2.20	1.97	1.62	1.13
4				0.89	1.80	0.79	1.15		2.07	1.90	1.45	0.65
5				0.95	1.60	0.80	1.10		2.10	1.75	1.50	0.63
6				0.90	1.49	1.20	1.29		2.20	1.85	1.30	0.68
7				1.00	1.87	2.30	1.49		1.79	1.94	1.52	0.85
8				1.19	2.35	2.45	1.60		1.56	1.74	1.56	0.90
9				1.28	2.29	2.39	1.25		1.68	1.65	1.18	1.23
10				1.07	2.31	2.37	0.99		2.07	1.55	1.07	1.23
11				1.63	2.19	2.35	0.79		2.08	1.32	0.99	1.32
12				1.90	2.00	2.09	0.67		1.95	1.25	1.20	1.28
13				2.16	1.90	1.88	0.39		1.76	1.40	1.27	1.35
14				2.13	1.75	1.75	0.45		1.75	1.53	1.45	0.85
15				2.37	1.75	1.45	0.50		1.72	1.45	1.62	1.23
16				2.15	1.64	1.35			1.65	1.63	1.50	0.78
17				1.85	1.35	1.11			1.57	1.45	1.35	0.38
18				1.77	1.55	1.10			1.60	1.20	1.70	0.33
19				1.50	1.82	1.21			1.70	1.10	1.78	1.38
20				1.55	2.17	1.02			1.79	1.07	1.90	2.37
21		F	1.30	1.16	2.66	0.87			1.77	1.15	1.62	2.28
22			1.09	0.95	2.82	1.14			1.83	1.36	1.43	1.83
23			0.81	1.12	3.00	1.00	F	1.15	1.60	1.75	1.32	1.78
24			0.65	1.58	3.03	1.10		1.25	1.55	2.05	0.55	1.40
25			0.65	2.15	2.80	1.08		1.37	1.35	2.30	0.77	1.38
26			0.75	2.34	2.50	1.09		1.21	1.38	2.48	0.87	1.22
27			0.99	2.44	2.28	1.23		1.45	1.59	2.55	1.18	1.39
28			0.90	2.39	2.06	1.19		1.31	1.75	2.49	1.23	1.43
29		-----	1.17	2.34	2.00	1.22		1.45	2.10	2.38	1.18	0.63
30		-----	0.76	2.85	1.77	1.20		1.60	2.15	2.35	1.28	0.68
31		-----	1.00	-----	1.74	-----		1.95	-----	2.31	-----	0.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN			0.92	1.56	2.08	1.41	1.03	1.42	1.82	1.77	1.37	1.15
MAX			1.30	2.85	3.03	2.45	1.60	1.95	2.20	2.55	2.13	2.37
MIN			0.65	0.14	1.35	0.79	0.39	1.15	1.35	1.07	0.55	0.33
DAYS	0	0	11	30	31	30	15	9	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 248

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.53.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.08 AT 2:15 P.M. ON MAY 24.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.40 ON NOV 24.

## DAILY STAGE FOR 1991

BAYOU BIENVENUE AT FLOODGATE (EAST) (LA.)

LOCATION. LAT. 29-59-52, LONG. 89-54-55. ON NORTHEAST FENDER OF STRUCTURE. (STA. 7602504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 23, 1974 TO DATE.

EXTREMES. HIGHEST, 8.00 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.98 FEET ON APR. 12, 1988.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.95	1.62		0.43	2.35	F	0.82	1.49	2.72	3.03	1.85	
2	1.17	1.25		0.00	1.53	F	1.13	1.64	2.54	3.11	1.40	
3	1.50	0.84		0.59	1.50	F	1.38	1.63	2.87	2.40	1.32	
4	1.65	0.75		0.55	1.60	F	1.28	1.57	3.32	2.10	1.20	
5	1.47	1.05		0.44	1.20	F	0.86	1.61	2.65	1.69	1.14	
6	1.35	0.50		0.36	1.30		1.60	1.60	2.35	2.02	0.76	
7	0.57	-0.15		0.50	2.00		1.85	1.51	1.67	1.81	1.00	
8	0.37	-0.30		0.56	2.31		1.89	1.36	1.59	1.60	1.20	
9	0.43	-0.45		0.92	2.08		1.59	1.13	1.84	1.51	0.84	
10	1.19	-0.70		0.80	2.36		1.20	0.49	2.18	1.35	0.80	
11	1.40	-0.40		1.50	2.20		1.00	0.75	2.01	1.15	0.75	
12	0.20	-0.50		1.65	1.95		0.75	0.74	1.95	1.20		
13	0.30	-0.37		2.32	2.15		0.32	0.99	1.82	1.60		
14	0.14	-0.16		2.47	1.94		0.50	1.35	1.90	1.79		
15	1.11	-1.29		2.23	1.70		0.25	1.35	2.05	1.64		
16	0.30 F	-0.10		2.20	1.70		0.87	1.61	2.00	1.95 F	1.50	
17	0.76			1.55 F	0.40	F	1.33	1.58	1.89	1.63	1.03	
18	1.00			1.50			1.49	1.38	2.05	1.20	1.50	
19	2.65			0.70			1.28	1.46	2.04	0.94	1.20	
20	1.00			0.75		F 1.12	1.50	1.64	2.20	0.92	1.16	
21	0.17		F 1.35	0.45		F 1.02	1.80	1.46	1.90	0.82	0.95	
22	0.00		0.55	0.30		1.39	1.87	1.24	1.95	0.97	0.88	
23	-0.32		0.15	0.70		F 1.10	1.52	1.42	1.34	1.50	0.78	
24	1.15		-0.09	1.52		1.35	1.30	1.54	1.25	1.75	0.10	
25	0.95		0.02	1.90		F 1.30	1.08	1.49	1.16	2.12 F	1.05	
26	0.15		0.12	2.32		F 1.55	0.97	1.25	1.25	2.45		
27	0.05		0.35	2.23		1.43	0.81	1.62	1.74	2.65		
28	0.80		0.60	2.72		F 1.42	1.03	1.21	2.10	3.19		
29	1.00	-----	1.10	2.52		F 1.54	1.00	1.61	2.70	3.20		
30	1.35	-----	0.84	4.17		F 0.60	1.00 F	2.06	2.90	3.84		
31	1.25	-----	1.05	-----		-----	1.51	2.38	-----	2.84	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.84	0.10	0.55	1.36	1.78	1.26	1.19	1.42	2.06	1.93	1.07	
MAX	2.65	1.62	1.35	4.17	2.36	1.55	1.89	2.38	3.32	3.84	1.85	
MIN	-0.32	-1.29	-0.09	0.00	0.40	0.60	0.25	0.49	1.16	0.82	0.10	
DAYS	31	16	11	30	17	11	31	31	30	31	21	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 260

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.33.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 4.23 AT 3:00 P.M. ON APR 29.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.65 ON FEB 15.

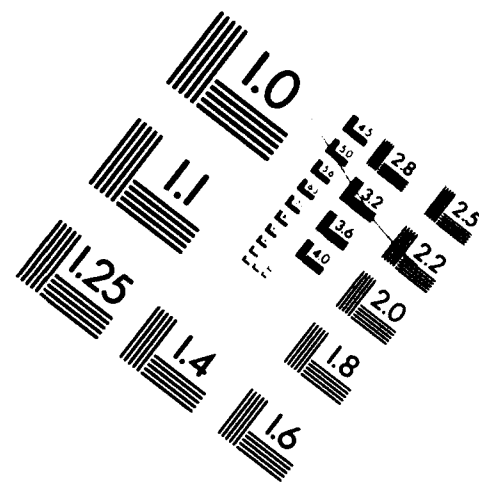
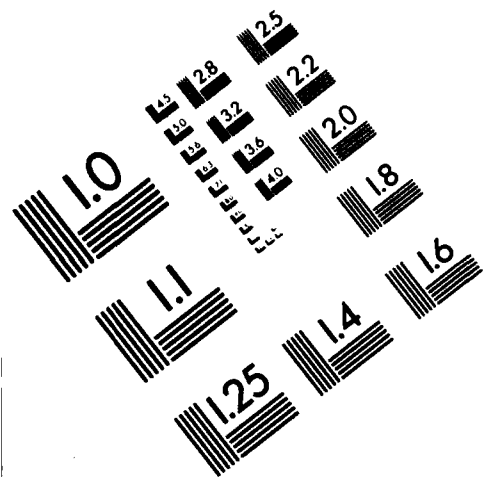


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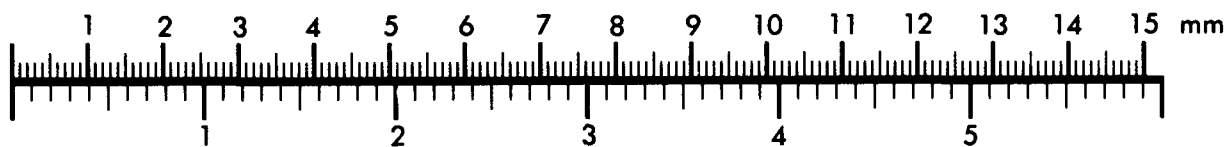
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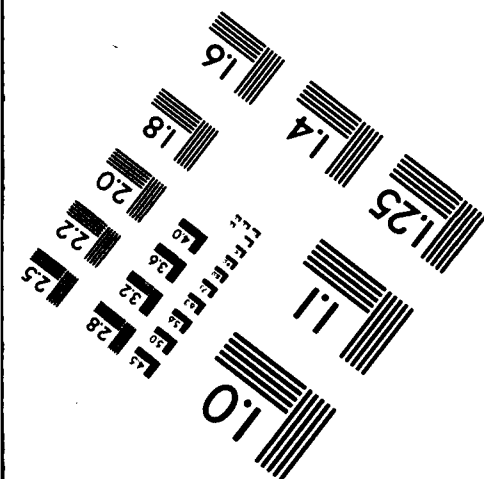
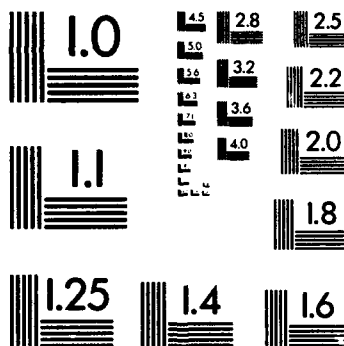
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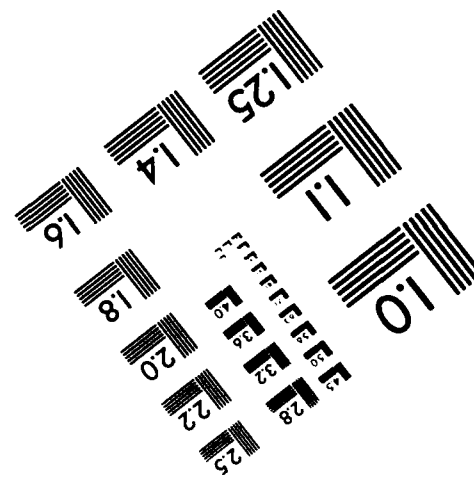
**Centimeter**



**Inches**



MANUFACTURED TO AIM STANDARDS  
BY APPLIED IMAGE, INC.



## DAILY STAGE FOR 1991

INTRACOASTAL WATERWAY NEAR PARIS ROAD BRIDGE, NEW ORLEANS, LA.

LOCATION. LAT. 30-00-24, LONG. 89-56-05. ON NORTH BANK AT NEW ORLEANS PUBLIC SERVICE, INC.  
ELECTRIC PLANT, 1700 FEET EAST OF PARIS ROAD BRIDGE. (STA. 7604003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO NOV. 15, 1967, GAGE WAS LOCATED AT PARIS ROAD BRIDGE (FIELD OFFICE).  
PRIOR TO 1977 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. STAGE, JUNE 27, TO OCT. 9, 1944, JUNE 12, TO AUG. 17, 1945, AND APR. 16, 1948,  
TO DATE.

EXTREMES. HIGHEST, 10.04 FEET (CAUSED BY HURRICANE) ON SEP. 10, 1965. LOWEST, MINUS 2.56 FEET ON  
APR. 12, 1968. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.47	2.15	1.58	0.70	2.59	1.71	1.72	1.82	3.24	3.31	2.24	1.17
2	1.73	1.74	1.80	0.42	1.82	1.38	1.68	2.05	3.05	3.41 F	1.57	0.85
3	2.38	1.00	1.67	0.98	1.86	1.05	2.00	2.00	3.52	2.74		0.80
4	2.18	0.75	-0.10	0.99	2.02	1.04	1.67	1.98	3.64	2.45 F	1.38	0.55
5	1.90	1.16	0.00	1.00	1.54	1.05	1.72	2.00	3.05	2.02 F	2.32	0.69
6	1.72	0.70	0.04	0.99	1.49	2.10	2.00	2.04	2.77	2.49		0.74
7	0.93	0.13	0.09	0.98	2.30	3.76	2.32	1.96	2.04 F	2.04		0.90
8	0.79	0.08	0.59	1.04	2.69	3.75	2.33	1.78	1.87	1.95		1.10
9	0.70	-0.17	0.80	1.37	2.45	3.52	2.00	1.43	2.25	1.81		1.39
10	1.60	-0.30	0.36	1.14	2.79	3.34	1.49	0.81	2.56	1.68		1.70
11	1.80	-0.09	-0.31	1.88	2.61	2.99	1.36	1.01	2.40	1.43		1.66
12	0.59	-0.06	0.20	2.20	2.35	2.65	1.04	1.04	2.29	1.38 F	1.19	1.63
13	0.79	0.42	0.53	2.81	2.63	2.26	0.68	1.32	2.12	1.90	1.87	1.69
14	0.50	0.62	0.75	2.98	2.24	2.11	0.82	1.72	2.22	2.10	1.91	0.89
15	1.31	-0.60	1.97	2.62	1.97	1.80	0.60	1.79	2.44	1.90	1.97	1.69
16	0.81	0.62	2.08	2.59	1.91	1.67	1.29	2.02	2.41	2.41	1.64	0.79
17	1.20	0.93	3.62	1.99	1.72	1.33	1.79	2.00	2.28	2.01	1.37	0.25
18	1.23	1.28	1.80	1.90	1.89	1.41	1.85	1.81	2.43	1.57	1.86	0.10
19	3.20	1.32	1.55	1.25	1.99	1.70	1.82	1.95	2.39	1.30	1.69	1.89
20	1.30	0.89	1.32	1.28	2.60 F	1.13	1.87	2.12	2.51	1.27	1.55	2.62
21	F 0.69	0.49	1.00	0.94	3.88		2.23	1.83	2.28	1.19	1.40	2.29
22	0.20	0.15	1.04	0.73	4.10		2.20	1.59	2.30	1.39	1.30	1.49
23	-0.22	-0.40	0.57	1.11	4.90		1.96	1.81	1.74	1.87	1.17	1.73
24	1.36	-0.11	0.40	1.87	3.20		1.72	1.91	1.70	2.14	0.61	1.19
25	1.33	0.02	0.47	2.29		F 2.03	1.49	1.78	1.53	2.50	1.25	1.70
26	0.70	0.64	0.50	2.64		1.77	1.35	1.52	1.64	2.80	1.50	1.58
27	0.55	0.60	0.82	2.60		2.00	1.20	1.99	2.19	3.00	1.93	1.83
28	1.29	0.92	1.00	3.19	2.43	1.71	1.43	1.55	2.54	3.62	1.77	1.11
29	1.59	-----	1.50	2.91	2.37	1.82	1.37	2.00	3.20	3.68	1.40	0.50
30	1.92	-----	1.23	4.41	2.12	1.70	1.37	2.26	3.38	4.16	1.34	0.51
31	1.71	-----	1.49	-----	1.98	-----	1.88	2.88	-----	3.24	-----	0.53

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.27	0.53	0.98	1.79	2.44	2.03	1.62	1.80	2.47	2.28	1.58	1.21
MAX	3.20	2.15	3.62	4.41	4.90	3.76	2.33	2.88	3.64	4.16	2.32	2.62
MIN	-0.22	-0.60	-0.31	0.42	1.49	1.04	0.60	0.81	1.53	1.19	0.61	0.10
DAYS	31	28	31	30	28	26	31	31	30	31	23	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 351

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.66.

HIGHEST STAGE WAS 5.58 AT 9:00 P.M. ON MAY 21.

LOWEST STAGE WAS MINUS 1.44 ON FEB 15.

## DAILY STAGE FOR 1991

INNER HARBOR NAVIGATION CANAL NEAR SEABROOK BRIDGE, NEW ORLEANS, LA.

LOCATION. LAT. 30-01-45, LONG. 90-01-58. ON EAST BANK AT BAROID PLANT WHARF, 250 FEET SOUTH OF SEABROOK BRIDGE. (STA. 7606006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO MAR. 4, 1965, GAGE WAS LOCATED AT SOUTHERN RAILROAD BRIDGE. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. VARIOUS MONTHS, 1942, 1944, 1945, 1959, AND 1960. DAILY, AUG. 18, 1962, TO DATE.

EXTREMES. (SINCE 1962) HIGHEST 6.47 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.89 FEET ON APR. 12, 1968. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.12	1.66	1.28	0.23	2.15	1.17	1.09	1.24	2.29	2.42	2.11	0.92
2	1.18	1.32	1.41	-0.04	1.53	0.91	1.06	1.32	2.20	2.48	1.15	0.73
3	1.49	0.69	1.28	0.38	1.47	0.75	1.14	1.29	2.42	2.02	1.35	0.78
4	1.51	0.56	-0.24	0.68	1.51	0.64	0.84	1.17	2.65	1.82	1.03	0.31
5	1.29	0.98	-0.35	0.70	1.26	0.57	0.90	1.15	2.25	1.64	1.16	0.25
6	1.33	0.71	-0.25	0.64	1.34	1.16	1.00	1.08	2.06	1.77	0.94	0.38
7	0.82	0.33	-0.22	0.71	1.74	2.51	1.29	1.01	1.51	1.65	1.19	0.52
8	0.45	0.17	0.27	0.83	2.14	2.72	1.29	0.90	1.29	1.57	1.34	0.73
9	0.48	-0.07	0.52	1.06	2.24	2.61	1.01	0.75	1.54	1.48	0.86	0.90
10	1.23	-0.15	0.11	0.88	2.19	2.72	0.68	0.34	1.92	1.38	0.74	
11	1.62	-0.01	-0.42	1.40	2.03	2.37	0.54	0.36	1.91	1.13	0.64	1.20
12	0.76	0.05	-0.10	1.60	1.76	1.97	0.35	0.26	1.91	1.12	0.90	1.20
13	0.60	0.18	0.27	1.98	1.87	1.64	0.19	0.53	1.75	1.28	1.02	1.20
14	0.47	0.33	0.27	2.05	1.64	1.47	0.19	1.03	1.70	1.45	1.21	0.70
15	1.07	-0.49	0.92	2.06	1.73	1.24	0.24	0.99	1.78	1.35	1.40	1.10
16	0.77	-0.30	1.35	1.86	1.46	1.05	0.55	1.24	1.76	1.55	1.22	0.60
17	0.93	0.35	2.74	1.48	1.44	0.82	0.90	1.16	1.63	1.30	1.06	0.20
18	0.92	0.64	1.74	1.41	1.61	0.84	1.03	0.90	1.73	0.99	1.45	0.20
19	2.47	0.79	1.15	1.02	1.60	1.03	0.90	0.90	1.81	0.87	1.41	1.30
20	1.13	0.83	0.83	1.09	2.11	0.84	0.94	0.98	1.84	0.83	1.53	2.30
21	0.40	0.43	0.69	0.71	3.37	0.78	1.19	0.89	1.63	0.89	1.11	2.30
22	-0.10	0.33	0.73	0.50	3.67	1.01	1.18	0.77	1.75	1.13	1.01	1.60
23	-0.22	-0.30	0.50	0.82	4.11	0.97	0.98	0.94	1.43	1.61	0.86	1.60
24	1.13	-0.01	0.31	1.30	2.98	1.06	0.80	1.15	1.34	1.84	0.16	1.10
25	1.18	0.06	0.32	1.82	2.82	1.05	0.59	1.16	1.20	2.19	0.33	1.20
26	0.77	0.34	0.43	2.07	2.69	0.99	0.50	1.04	1.20	2.43	0.50	1.10
27	0.63	0.25	0.65	2.21	2.24	1.13	0.35	1.52	1.46	2.53	0.93	1.20
28	1.35	0.62	0.70	2.22	1.93	0.95	0.56	1.15	1.68	2.83	1.04	1.00
29	1.49	-----	1.52	2.08	1.86	1.03	0.62	1.40	2.25	2.98	0.97	0.30
30	1.89	-----	0.56	3.50	1.62	0.97	0.65	1.63	2.34	3.43	0.98	0.30
31	1.55	-----	0.74	-----	1.43	-----	1.13	1.99	-----	2.78	-----	0.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.02	0.37	0.63	1.31	2.05	1.30	0.80	1.04	1.81	1.76	1.05	0.92
MAX	2.47	1.66	2.74	3.50	4.11	2.72	1.29	1.99	2.65	3.43	2.11	2.30
MIN	-0.22	-0.49	-0.42	-0.04	1.26	0.57	0.19	0.26	1.20	0.83	0.16	0.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 1.18.

HIGHEST STAGE WAS 4.42 AT 9:00 P.M. ON MAY 21.

LOWEST STAGE WAS MINUS 1.22 ON FEB 15.

## DAILY STAGE FOR 1991

INNER HARBOR NAVIGATION CANAL (IHW) AT FLORIDA AVE. BRIDGE, NEW ORLEANS, LA

LOCATION. LAT. 29-58-53, LONG. 90-01-15. AT FLORIDA AVENUE BRIDGE CONTROL HOUSE. (STA. 7612007.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1979 GAGE ZERO WAS MINUS 20.55 FEET, NGVD.

RECORDS AVAILABLE. JULY 1944 TO DATE. SUBTRACT 0.2 FROM DAILY STAGES PRIOR TO 1955.

EXTREMES. (SINCE 1945) HIGHEST 9.82 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, (FROM INCOMPLETE RECORD) MINUS 2.53 FEET ON DEC. 26, 1969. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0.21	2.19	0.99		1.37	2.73	2.82	1.73	0.77
2				-0.10	1.39	0.70	1.13	1.59	2.55	2.93 F	1.12	0.50
3				0.46	1.29	0.65	1.50	1.56	2.91	2.28		0.40
4				0.55	1.52	0.49	1.10	1.53	3.21	1.99 F	0.90	0.15
5				0.50	0.98	0.58	1.25	1.61	2.62	1.59	1.10	0.21
6				0.41	1.10	1.55	1.51	1.64	2.28	2.00	0.71	0.29
7				0.49	1.80	3.24	1.90	1.55	1.61	1.77	1.11	0.48
8				0.62	2.06	3.28	1.90	1.31	1.49	1.50	1.21	0.69
9				0.85	2.00	3.12	1.59	1.07	1.79	1.31	0.89	1.00
10				0.74	2.30	2.99	1.20	0.32	2.00	1.20	0.80	1.03
11				1.29	2.08	2.70	0.99	0.60	1.87 F	0.41	0.89	1.05
12				1.52	1.90	2.04	0.69	0.63	1.72	0.96	1.18	1.02
13				2.10	2.18	1.70	0.30	0.90	1.61		1.38	1.09
14				2.15	2.02	1.60	0.40	1.19	1.67		1.43	0.39
15				2.18	1.99	1.30	0.30	1.19	1.89 F	1.50	1.55	1.19
16				2.21	1.81	1.19	0.93	1.52	1.98	1.87	1.21	0.29
17				1.69	1.75	0.98	1.30	1.51	1.80	1.53	0.99	-0.10
18	0.92			1.39	2.00	1.00	1.39	1.32	1.99	1.07	1.40	-0.28
19	2.90			0.60	2.08	1.23	1.30	1.52	2.00	0.78	1.14	1.45
20			F 1.15	0.68 F	2.20	0.92	1.40	1.78	2.18	0.73	1.10	2.30
21			0.49	0.32	3.31	1.19	1.75	1.50	1.81	0.70	0.81	1.95
22			0.56	0.31	3.70	1.42	1.71	1.17	1.87	0.79	0.79	1.18
23			0.12	0.61	4.22	1.50	1.39	1.33	1.21	1.29	0.70	1.55
24			-0.09	1.31	2.69		1.15	1.50	1.00	1.53	0.12	0.90
25			0.01	1.79	3.29		1.00	1.32	0.89	2.01	0.85	1.28
26			0.08	1.91	2.95		0.75	1.10	1.10	2.30	1.00	1.15
27			0.39	2.04	2.25		0.67	1.69	1.59	2.44	1.49	1.47
28			0.51	2.55	2.23		0.86	1.15	2.10	3.11	1.31	0.79
29		-----	1.09	2.45	2.14		0.89	1.59	2.75	3.10	0.99	0.13
30		-----	0.69	3.60	1.38		0.87	1.81	2.91	3.78	0.90	0.18
31		-----	0.85	-----	1.22	-----	1.43	2.32	-----	2.75	-----	0.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.91		0.49	1.25	2.13	1.58	1.15	1.36	1.97	1.79	1.06	0.80
MAX	2.90		1.15	3.60	4.22	3.28	1.90	2.32	3.21	3.78	1.73	2.30
MIN	0.92		-0.09	-0.10	0.98	0.49	0.30	0.32	0.89	0.41	0.12	-0.28
DAYS	2	0	12	30	31	23	30	31	30	29	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 278

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.41.

HIGHEST STAGE WAS 5.07 AT 8:45 P.M. ON MAY 21.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.70 ON APR 2.

## DAILY STAGE FOR 1991

INNER HARBOR NAVIGATION CANAL (IHW) AT NEW ORLEANS, LA.

LOCATION. LAT. 29-57-52, LONG. 90-01-42. LAKE END OF INNER HARBOR NAVIGATION CANAL LOCK.  
(STA. 7616007.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 32.19 FEET, NGVD.

RECORDS AVAILABLE. MAY 17, 1922, TO DATE.

EXTREMES. HIGHEST, 10.61 FEET (FROM HIGHWATER MARK) (CAUSED BY HURRICANE BETSY) ON SEP. 10, 1965.  
LOWEST, MINUS 2.00 FEET ON APR 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.0	1.9	1.7	0.3	1.8	0.8	1.0	1.2	2.7	2.6	3.1	0.7
2	1.2	1.3	1.5	0.0	1.2	0.7	1.0	1.6	2.4	2.8	1.3	0.7
3	1.6	1.2	1.2	0.5	1.2	0.5	1.0	1.5	2.6	2.1	1.4	0.7
4	1.7	0.5	0.5	0.5	1.3	0.3	1.3	1.5	3.0	2.1	1.2	0.5
5	1.6	0.5	0.2	0.5	1.0	0.5	1.2	1.5	2.3	1.7	1.2	0.4
6	1.3	0.4	0.4	0.4	1.0	1.3	1.4	1.5	2.1	2.0	0.9	0.4
7	0.7	0.1	0.3	0.5	1.8	2.9	1.8	1.3	1.5	1.9	1.8	0.6
8	0.4	0.1	0.1	0.5	2.1	3.1	2.0	0.9	1.5	1.5	1.4	0.9
9	0.4	-0.1	0.6	1.0	2.2	2.6	0.8	0.8	1.8	1.7	1.2	1.2
10	1.4	-0.5	0.0	0.5	2.3	2.8	0.8	0.1	2.0	1.6	1.2	1.2
11	1.4	0.1	-0.5	1.7	2.2	2.5	0.5	0.2	2.0	1.4	1.0	1.3
12	0.4	0.1	0.1	1.9	1.5	1.8	0.3	0.5	2.1	1.2	1.2	1.2
13	0.5	0.1	0.1	2.0	1.9	1.5	0.1	0.8	2.0	1.4	1.5	1.3
14	0.5	0.2	0.2	2.4	1.4	1.2	0.0	1.0	2.0	1.5	1.5	0.4
15	0.8	0.3	1.4	2.1	1.4	1.2	-0.2	1.5	2.1	1.6	1.6	1.5
16	0.0	0.3	1.7	1.9	1.4	1.0	0.3	1.8	2.1	1.8	1.2	-0.2
17	0.9	0.8	3.3	1.2	0.8	0.4	0.4	1.7	1.8	1.5	1.5	-0.5
18	0.9	1.0	1.5	1.2	1.2	0.8	1.6	1.4	2.0	1.0	1.3	0.5
19	3.0	0.9	1.7	0.5	1.4	1.1	0.0	1.2	1.9	0.5	1.3	1.6
20	1.3	0.6	1.0	0.7	2.0	0.8	1.3	1.4	2.0	1.0	1.3	2.5
21	0.2	0.7	0.4	1.4	3.7	0.9	1.5	1.2	1.8	0.8	1.3	1.5
22	0.2	0.0	0.6	0.5	3.7	1.3	1.7	1.2	1.8	1.2	1.3	1.5
23	0.5	0.3	0.2	0.6	4.7	1.1	1.5	1.2	1.5	1.5	1.0	1.5
24	1.0	-0.2	0.1	1.4	2.8	1.3	1.0	1.3	1.2	1.9	0.2	1.1
25	1.0	-0.2	0.0	1.8	2.7	1.3	0.5	1.3	1.5	1.9	0.8	1.5
26	0.5	0.0	0.2	2.3	2.6	0.9	0.6	1.3	1.3	2.8	1.0	1.3
27	0.4	0.0	0.5	2.3	2.6	1.3	0.2	1.2	1.8	2.8	1.2	1.4
28	1.4	0.5	0.6	2.6	0.9	1.1	0.5	1.8	2.1	3.2	1.4	1.9
29	1.3	-----	1.0	2.1	0.8	1.1	0.6	1.7	2.8	3.3	0.9	0.1
30	1.6	-----	0.7	3.9	1.4	0.8	0.7	1.9	2.7	3.3	1.0	0.1
31	1.5	-----	1.0	-----	1.0	-----	1.4	2.3	-----	2.8	-----	0.2

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.0	0.4	0.7	1.3	1.9	1.3	0.9	1.3	2.0	1.9	1.3	0.9
MAX	3.0	1.9	3.3	3.9	4.7	3.1	2.0	2.3	3.0	3.3	3.1	2.5
MIN	0.0	-0.5	-0.5	0.0	0.8	0.3	-0.2	0.1	1.2	0.5	0.2	-0.5
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.2.

HIGHEST STAGE WAS 4.7 ON MAY 23.

LOWEST STAGE WAS MINUS 0.5 ON FEB 10 AND LATE DATE(S).

## DAILY STAGE FOR 1991

## INTRACOASTAL WATERWAY AT HARVEY LOCK (LA.)

LOCATION. LAT. 29-54-31, LONG. 90-05-02. ON LOCK TAILBAY (CANALSIDE) WALL. (STA. 7620007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. PRIOR TO 1974 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. JAN. 1, 1925 TO DATE.

EXTREMES. HIGHEST, 4.74 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.28 FEET ON JAN. 26 AND 27, 1940. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.71	1.00	0.60	0.20	2.80	2.10	1.12	0.96	1.48	1.05	2.25	1.23
2	0.82	1.00	1.40	0.20	2.46	2.00	1.12	1.07	1.58	1.14	1.62	1.51
3	1.10	0.80	1.20	0.49	2.11	1.80	1.05	1.04	1.81	1.41	1.22	1.41
4	0.75	0.60	0.60		2.15	1.40	1.00	1.09	1.85	1.21	0.89	0.55
5	0.61	1.00	0.20	0.91	2.23	1.36	1.12	1.05	1.52	1.51		0.51
6	0.83	1.09	0.98	0.80	1.96	1.23	1.25	1.00	1.55	0.98	1.93	0.61
7	1.28	1.06	0.82	1.05	1.60	1.26	1.41	0.90	1.71	0.41	1.11	0.65
8	0.71	0.76	0.78	1.33	1.76	1.69	1.66	0.97	1.51	0.86	0.85	0.70
9	0.73	0.62	0.60	1.55	2.10	1.66	1.59	0.95	1.33	0.98	0.53	0.84
10	0.83	0.45	0.20	1.33	2.09	1.86	1.49	1.02	1.58	1.08	0.37	0.56
11	1.85	0.59	0.47	1.29	2.03	2.32	1.13	0.87	1.40	1.05	0.54	0.81
12	1.87	0.53	0.57	1.54	1.94	2.49	1.17	0.54	1.60	1.03	0.51	0.91
13	1.08	0.68	0.97	1.68	1.92	2.25	1.17	0.54	1.40	0.90	0.58	1.10
14	1.80	0.88	0.85	1.95	1.90	2.02	0.99	0.40	1.40	0.90	0.72	1.04
15	1.18	0.52	0.39	2.18	1.99	1.87	1.08	0.40	1.40	0.88	0.92	0.05
16	1.20	0.02	0.59	1.74	1.95	1.73	1.16	0.80	1.50	0.59	1.05	0.14
17	0.87	0.52	0.97	1.79	2.01	1.73	1.00	0.80	1.20	0.54	1.24	0.25
18	0.88	0.84	1.00	1.94	2.07	1.84	1.00	0.97	1.40	0.67	1.87	0.34
19	1.41	1.63	0.95	1.95	2.00	1.40	1.00	0.90	1.32	0.74	1.77	0.14
20	1.09	1.17	0.92	1.87	2.02	1.48	1.00	0.85	0.85	0.98	2.06	0.79
21	0.83	0.98	1.13	1.52	2.01	1.20	1.10	0.69	0.85	0.89	1.86	1.40
22	0.46	1.04	1.06	1.48	2.00	1.20	1.00	0.67	1.20	1.12	1.90	1.33
23	0.04	1.10	1.60	1.81	2.50	1.20	1.00	0.64	1.34	1.57	1.50	1.32
24	1.06	0.61	1.47	1.20	2.50	1.00	0.91	0.72	1.59	1.05	0.66	1.00
25	0.88	0.67	1.03	1.60	2.50	1.00	0.81	0.65	1.28	1.54	0.45	0.58
26	0.98	0.41	1.01	2.40	2.60	1.13	0.81	0.70	0.90	1.67	0.31	0.79
27	1.02	0.40	1.60	2.80	2.40	1.10	0.74	0.50	0.58	1.62	0.35	0.77
28	1.29	0.40	1.20	2.60	2.20	1.21	0.60	1.36	0.77	1.83	0.54	0.89
29	1.04	-----	1.60	2.80	2.37	1.13	0.60	1.20	1.01	2.24	0.71	0.91
30	2.25	-----	1.00	2.91	2.30	1.18	0.65	1.07	1.02	2.28	1.14	0.71
31	1.05	-----	0.80	-----	2.00	-----	0.71	1.22	-----	2.02	-----	0.66

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.05	0.76	0.92	1.62	2.14	1.56	1.05	0.86	1.33	1.19	1.08	0.79
MAX	2.25	1.63	1.60	2.91	2.80	2.49	1.66	1.36	1.85	2.28	2.25	1.51
MIN	0.04	0.02	0.20	0.20	1.60	1.00	0.60	0.40	0.58	0.41	0.31	0.05
DAYS	31	28	31	29	31	30	31	31	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

THE MEAN STAGE FOR THE YEAR WAS 1.20.

HIGHEST STAGE WAS 2.91 8:00 A.M. ON APR 30.

LOWEST STAGE WAS 0.02 ON FEB 16.

## DAILY STAGE FOR 1991

## INTRACOASTAL WATERWAY AT ALGIERS LOCK (LA.)

LOCATION. LAT. 29-54-43, LONG. 89-58-28. ON SOUTHWEST CORNER OF LOCK TAILBAY (CANALSIDE)  
WALL. (STA. 7624004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.22 FOOT, M.L.G.

RECORDS AVAILABLE. MAY 1, 1956 TO DATE.

EXTREMES. HIGHEST, 4.45 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.64 FEET  
(CAUSED BY HURRICANE) ON SEP. 9, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.68	0.93	0.79	0.27	2.10	1.71	1.09	0.95	1.05	0.90	2.19	1.09
2	0.50	0.89	1.40	0.20	2.58	1.68	1.08	1.03	1.45	1.03	1.41	1.25
3	1.20	0.64	1.37	0.28	2.09	1.53	0.89	0.96	1.40	1.22	1.10	1.10
4	0.45	0.69	0.75	0.59	2.03	1.37	0.80	0.88	1.28	1.38	0.52	0.45
5	0.60	1.12	0.31	0.85	1.97	1.25	0.89	0.86	1.45	1.40	0.61	0.29
6	0.80	1.12	0.80	0.67	1.82	0.90	0.91	0.69	1.54	0.80	0.81	0.50
7	1.30	0.85	0.64	0.97	1.22	1.27	1.15	0.64	1.45	0.38	0.82	0.52
8	0.85	0.50	0.81	1.17	1.65	1.37	1.44	0.80	1.30	0.80	0.61	0.71
9	0.40	0.30	0.31	1.21	2.02	1.47	1.40	0.97	1.20	0.88	0.30	0.69
10	1.14	0.36	0.92	1.04	1.93	1.65	1.22	0.42	1.30	0.90	0.30	0.45
11	1.61	0.35	0.05	1.00	1.90	2.05	1.00	0.85	1.30	0.90	0.30	0.45
12	1.23	0.34	0.60	1.30	1.80	2.10	0.95	0.54	1.35	0.81	0.47	0.68
13	0.87	0.70	0.93	1.41	1.79	2.07	0.90	0.33	1.39	0.77	0.46	0.79
14	0.71	0.58	0.67	1.65	1.68	2.00	0.85	0.40	1.31	0.71	0.40	0.75
15	0.96	0.12	0.20	1.89	1.83	1.86	0.85	0.52	1.20	0.63	0.55	-0.30
16	1.15	-0.31	0.35	1.50	1.81	1.93	0.89	0.61	1.31	0.36	0.61	-0.15
17	0.79	0.20	1.00	1.40	1.80	1.71	0.50	0.78	1.20	0.68	0.79	-0.11
18	0.64	0.77	0.94	1.65	1.90	1.51	0.61	0.89	1.10	0.80	1.21	0.79
19	1.30	1.18	0.84	1.80	0.80	1.55	0.70	0.60	1.14	0.80	1.21	0.15
20	0.80	1.05	0.82	1.65	1.82	1.25	0.72	0.43	0.88	1.04	1.95	0.53
21	0.35	0.80	1.00	1.65	2.35	1.19	0.75	0.70	0.61	1.08	1.57	1.09
22	0.08	1.15	1.39	1.35	2.27	1.30	0.70	0.48	0.88	1.02	1.30	1.10
23	0.31	0.70	1.55	1.52	2.45	1.20	0.74	0.44	1.10	1.18	1.31	1.10
24	0.85	0.55	1.10	1.00	2.38	1.09	0.76	0.46	1.21	1.51	0.60	0.87
25	0.60	0.48	0.91	1.67	2.35	1.07	0.77	0.49	1.20	1.44	0.38	0.53
26	0.74	0.10	0.90	2.27	2.45	0.97	0.65	0.52	0.85	1.56	0.39	0.50
27	0.81	0.18	1.35	2.70	2.34	1.00	0.58	0.92	0.65	1.69	0.39	0.75
28	1.30	0.40	1.27	2.40	2.20	1.08	0.60	1.10	0.68	1.80	0.08	0.59
29	1.12	-----	1.90	2.64	2.20	1.00	0.50	1.03	0.80	2.10	0.66	0.40
30	2.07	-----	0.98	2.80	1.90	1.00	0.66	0.96	0.88	2.10	1.03	0.50
31	1.21	-----	0.49	-----	2.00	-----	0.60	1.12	-----	2.00	-----	0.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.88	0.60	0.88	1.42	1.98	1.44	0.84	0.72	1.15	1.12	0.81	0.59
MAX	2.07	1.18	1.90	2.80	2.58	2.10	1.44	1.12	1.54	2.10	2.19	1.25
MIN	0.08	-0.31	0.05	0.20	0.80	0.90	0.50	0.33	0.61	0.36	0.08	-0.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.04.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 2.80 AT 8:00 A.M. ON APR 30.

LOWEST STAGE WAS MINUS 0.55 ON FEB 16.

## DAILY STAGE FOR 1991

## BAYOU PETIT CAILLOU AT COCODRIE, LA.

LOCATION. LAT. 29-14-43, LONG. 90-39-48. ON LOUISIANA LAND AND EXPLORATION COMPANY WHARF ON NORTH BANK OF LITTLE COCODRIE BAYOU, 600 FEET WEST OF JUNCTION WITH BAYOU PETIT CAILLOU, AND AT THE END OF STATE HIGHWAY 56. (STA. 7630507.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1987 GAGE ZERO WAS 0.19 FOOT NGVD.

RECORDS AVAILABLE. MAR. 1969 TO SEP. 8, 1974 AND JAN. 20, 1975 TO DATE.

EXTREMES. HIGHEST, 11.64 FEET (FROM HIGH WATER MARK) IN 1974. LOWEST, MINUS 2.95 FEET ON DEC. 23, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-0.41	-0.17	0.24	-0.14	1.48	1.38	0.93	0.55	1.22	1.12	0.40	0.41
2	-0.22	-0.15	0.41	0.05	1.14	1.28	0.82	0.75	1.30	1.50	0.44	0.34
3	-0.23	-0.08	-0.09	0.43	1.14	0.96	0.93	0.96	1.65	1.35	0.08	-0.72
4	0.10	0.10	-0.64	0.46	0.95	0.71	0.72	1.17	1.77	1.15	-0.19	-1.17
5	0.41	0.41	-0.21	0.31	1.05	0.33	0.76	0.98	1.93	0.88	0.00	-0.79
6	0.39	-0.15	-0.05	0.02	0.00	0.58	1.34	1.08	1.47	0.11	-0.18	-0.80
7	-0.20	-0.66	-0.27	0.18	0.57	1.65	1.04	1.33	1.34	0.43	-0.02	-0.62
8	-0.04	-1.13	-0.33	0.40	1.13	1.78	0.95	1.30	0.79	0.13	-0.47	-0.49
9	0.03	-1.14	-1.01	0.54	1.29	2.05	1.09	1.24	0.90	-0.09	-0.35	-0.38
10	0.73	-1.22	-0.91	0.35	1.23	2.04	0.96	0.89	0.80	-0.17	-0.13	-0.32
11	0.79	-1.09	-0.71	0.85	1.07	2.07	0.96	0.37	0.87	-0.27	-0.14	-0.13
12	-0.62	-0.98	-0.62	1.14	1.10	1.66	0.79	-0.05	0.74	-0.17	0.14	-0.01
13	-0.75	-0.42	-0.62	1.47	1.37	1.40	0.63	-0.13	0.72	-0.11	0.13	0.29
14	-0.52	-0.73	-0.45	1.65	1.45	1.37	0.35	0.28	0.90	0.02	0.64	-0.45
15	0.10	-1.10	-0.33	1.59	1.84	1.15	0.45	0.52	1.07	0.03	0.63	-0.46
16	-0.54	-0.64	0.74	1.53	1.55	0.89	0.16	0.37	1.00	0.41	0.61	-0.21
17	-0.34	0.01	0.98	1.12	1.22	0.74	0.29	0.88	0.91	0.59	0.72	-0.34
18	0.10	0.39	0.47	1.24	0.96	0.66	0.41	0.76	1.27	0.25	1.26	-0.91
19	0.51	0.78	0.81	1.03	1.30	0.59	0.73	0.58	1.20	0.03	0.41	-0.68
20	0.35	-0.25	0.88	0.68	0.93	0.57	0.80	0.77	1.02	0.14	-0.10	0.27
21	-0.52	-0.33	0.54	0.32	1.12	0.83	1.15	0.84	1.22	0.07	-0.40	-0.05
22	-0.30	-0.70	0.93	0.71	1.99	0.94	1.09	0.93	0.94	-0.05	-0.18	-0.32
23	0.03	-1.54	-0.08	0.57	2.27	1.12	1.01	0.90	0.79	-0.12	-0.31	0.03
24	0.15	-1.17	-0.59	0.73	2.21	1.10	1.03	0.78	0.52	0.21	-1.10	-0.41
25	-0.16	-1.14	-0.32	1.32	2.01	1.02	0.96	0.70	-0.18	0.35	-0.51	-0.10
26	-0.55	-1.26	-0.20	1.83	2.06	0.98	0.90	0.54	-0.05	0.47	-0.15	0.09
27	-0.30	-1.09	0.55	1.65	1.81	1.10	0.87	0.64	0.02	0.80	0.25	0.28
28	0.05	-0.55	0.28	2.07	1.71	0.85	0.53	0.20	0.35	1.55	0.25	-0.12
29	-0.29	-----	0.81	2.13	1.57	0.99	0.33	0.19	0.63	1.40	0.59	-0.22
30	-0.08	-----	0.13	1.81	1.59	0.86	0.21	0.35	0.91	1.69	0.34	-0.22
31	-0.91	-----	0.14	-----	1.65	-----	0.46	0.87	-----	1.69	-----	-0.63

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-0.09	-0.57	0.01	0.94	1.38	1.12	0.76	0.70	0.93	0.50	0.09	-0.29
MAX	0.79	0.78	0.98	2.13	2.27	2.07	1.34	1.33	1.93	1.69	1.26	0.41
MIN	-0.91	-1.54	-1.01	-0.14	0.00	0.33	0.16	-0.13	-0.18	-0.27	-1.10	-1.17
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 0.46.  
 HIGHEST STAGE WAS 2.45 AT 5:00 P.M. ON MAY 22.  
 LOWEST STAGE WAS MINUS 1.77 ON FEB 23.

## DAILY STAGE FOR 1991

INTRACOASTAL WATERWAY AT MOULANA, LA.

LOCATION. LAT. 29-35-56, LONG. 90-42-37. ON WEST BANK 60 FEET SOUTH OF GRAND CALLIOU ROAD BRIDGE OVER THE INTRACOASTAL WATERWAY. (STA. 7632007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1977 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. JULY 18, 1941 TO MAR. 25, 1945, NOV. 6 TO 19, 1945, AND FEB. 27, 1946 TO DATE.

EXTREMES. HIGHEST, 5.17 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, (FROM INCOMPLETE RECORDS) MINUS 0.80 FOOT ON DEC. 24, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.55	2.64	2.08	1.59	3.40	3.00	2.01	1.60	2.29	1.97	2.85	1.85
2	1.65	2.46	2.36	1.50	3.26	2.90	2.04	1.85	2.34	2.10	2.40	1.92
3	1.68	2.33	2.31	1.65	3.14	2.76	2.03	1.84	2.35	2.15	2.10	1.90
4	1.59	2.17	1.99	1.77	3.05	2.60	1.99	1.88	2.35	2.17	1.75	1.45
5	1.64	2.26	1.83	1.79	2.96	2.44	2.00	1.85	2.40	2.11	1.77	1.32
6	1.65	2.48	1.87	1.81	3.00	2.35	2.36	1.79	2.38	1.50	1.81	1.41
7	1.84	2.34	1.86	1.85	2.75	2.51	2.44	1.72	2.35	1.55	1.90	1.47
8	1.60	2.15	1.88	2.05	3.10	2.62	2.60	1.75	2.25	1.79	1.79	1.55
9	1.56	1.94	1.76	2.17	3.55	2.70	2.52	1.80	2.13	1.80	1.35	1.59
10	1.95	1.83	1.51	2.14	3.70	2.85	2.38	1.68	2.23	1.80	1.40	1.49
11	2.41	1.75	1.54	2.15	3.50	2.93	2.30	1.49	2.30	1.77	1.40	1.62
12	2.30	1.75	1.73	2.36	3.40	3.03	2.14	1.35	2.31	1.75	1.50	1.66
13	2.10	1.84	1.93	2.50	3.26	3.00	1.99	1.26	2.31	1.70	1.47	1.82
14	2.05	1.88	1.86	2.64	3.15	2.91	1.85	1.44	2.27	1.74	1.70	1.70
15	2.16	1.64	1.72	2.71	3.07	2.80	1.75	1.63	2.26	1.67	1.80	1.39
16	2.13	1.35	1.89	2.64	3.17	2.75	1.70	1.68	2.25	1.63	1.76	1.27
17	1.99	1.65	2.34	2.61	3.04	2.65	1.64	1.77	2.14	1.53	1.90	1.30
18	1.96	1.77	2.22	2.65	3.29	2.58	1.70	1.84	2.10	1.50	2.08	1.39
19	2.20	2.00	2.07	2.81	3.29	2.45	1.75	1.70	2.09	1.36	2.20	1.50
20	2.10	2.01	2.08	2.75	3.20	2.33	1.80	1.57	1.64	1.59	2.33	1.90
21	1.92	1.80	2.11	2.55	3.14	2.25	1.87	1.55	1.72	1.55	2.17	2.12
22	1.67	2.08	2.25	2.45	3.20	2.24	1.89	1.50	1.85	1.70	2.06	2.05
23	1.69	1.85	2.30	2.51	3.33	2.16	1.89	1.50	2.00	1.88	2.00	2.17
24	2.19	1.70	2.10	2.37	3.39	2.13	1.79	1.50	2.05	2.20	1.48	1.94
25	2.15	1.72	2.02	2.75	3.55	2.15	1.70	1.47	1.93	2.24	1.33	1.79
26	2.14	1.61	2.04	2.86	3.53	2.06	1.61	1.50	1.65	2.30	1.39	1.74
27	2.13	1.55	2.25	3.25	3.52	2.06	1.54	1.95	1.60	2.40	1.60	1.85
28	2.37	1.61	2.24	3.27	3.40	2.11	1.50	1.85	1.72	2.55	1.50	1.77
29	2.54	-----	2.52	3.35	3.29	2.09	1.40	1.87	1.86	2.70	1.63	1.61
30	2.81	-----	2.15	3.53	3.15	2.05	1.40	1.86	1.90	2.72	1.79	1.60
31	2.80	-----	1.85	-----	3.10	-----	1.45	2.04	-----	2.85	-----	1.66

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.02	1.93	2.02	2.43	3.25	2.52	1.90	1.68	2.10	1.94	1.81	1.67
MAX	2.81	2.64	2.52	3.53	3.70	3.03	2.60	2.04	2.40	2.85	2.85	2.17
MIN	1.55	1.35	1.51	1.50	2.75	2.05	1.40	1.26	1.60	1.36	1.33	1.27
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.11.  
 HIGHEST STAGE WAS 3.80 AT 5:00 P.M. ON MAY 9.  
 LOWEST STAGE WAS 1.10 ON NOV 25.

## DAILY STAGE FOR 1991

BAYOU BOEUF (11W) AT BAYOU BOEUF LOCK (LA.) (EAST)

LOCATION. LAT. 29-40-59, LONG. 91-10-25. ON GUARDRAIL AT LANDSIDE END OF LOCK, 2.5 MILES EAST OF MORGAN CITY, LA. (STA. 7636010.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. SEP. 8, 1954 TO DATE.

EXTREMES. HIGHEST, 4.68 FEET ON APR. 17, 1973. LOWEST, MINUS 1.14 FEET ON DEC. 24, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.99	3.59	2.74	2.46	3.42	4.01	2.46	1.39	1.80	1.70	2.20	2.00
2	2.10	3.52	3.00	2.42	3.37	3.87	2.42	1.30	1.90	2.00	1.70	2.10
3	2.19	3.47	2.93	2.45	3.44	3.81	2.36	1.80	1.90	2.10	1.80	2.10
4	2.12	3.38	2.72	2.48	3.46	3.69	2.35	1.70	2.00	1.80	1.60	2.00
5	2.15	3.58	2.80	2.40	3.46	3.61	2.50	1.90	1.90	1.70	1.60	2.30
6	2.27	3.41	2.85	2.43	3.37	3.59	2.69	1.70	2.00	1.00	1.80	2.00
7	2.38	3.29	2.85	2.43	3.33	3.62	2.79	1.70	2.00	1.30	1.80	1.70
8	2.38	3.16	2.91	2.51	4.00	3.67	2.73	1.70	1.90	1.50	1.67	2.00
9	2.40	3.06	2.85	2.57	4.08	3.64	2.80	1.40	1.90	1.40	1.30	1.80
10	2.71	2.93	2.81	2.55	4.10	3.70	2.73	1.40	1.80	1.40	1.35	1.78
11	2.90	2.81	2.84	2.63	3.96	3.76	2.61	1.20	2.00	1.40	1.41	1.87
12	2.89	2.77	2.91	2.66	3.91	3.81	2.35	1.40	2.00	1.50	1.35	1.90
13	2.90	2.79	2.96	2.72	3.84	3.71	2.32	1.00	2.00	1.40	1.30	2.00
14	2.95	2.71	2.92	2.82	3.83	3.57	2.30	1.00	2.10	1.50	1.22	2.01
15	3.18	2.54	2.88	2.98	3.97	3.44	1.89	1.10	2.10	1.40	1.68	1.80
16	3.17	2.42	2.84	2.98	3.89	3.37	1.77	1.00	2.10	1.30	1.30	1.89
17	3.14	2.55	3.13	2.96	3.72	3.27	1.59	1.10	1.90	1.26	1.51	1.92
18	3.20	2.55	3.09	3.04	3.72	3.20	1.64	1.10	1.90	1.19	1.61	2.00
19	3.24	2.52	2.95	3.00	3.72	3.10	1.81	1.00	1.90	0.97	1.69	2.05
20	3.24	2.56	3.00	2.97	3.69	3.04	1.71	1.00	1.00	1.20	1.92	2.18
21	3.22	2.43	2.87	2.79	3.62	3.04	1.75	1.00	1.40	1.11	1.69	2.48
22	3.11	2.70	2.99	2.92	3.68	2.97	1.82	1.00	1.50	1.12	1.90	2.40
23	3.15	2.70	2.93	2.96	3.75	2.93	1.96	0.90	1.50	1.23	1.95	2.49
24	3.36	2.70	2.79	2.86	4.04	2.82	1.78	0.80	1.60	1.65	1.49	2.50
25	3.32	2.60	2.83	3.11	4.04	2.77	1.74	0.80	1.60	1.70	1.50	2.43
26	3.39	2.60	2.76	3.30	4.03	2.70	1.71	1.10	1.30	1.79	1.90	2.45
27	3.43	2.90	2.77	3.45	4.02	2.70	1.58	1.10	1.40	2.05	2.00	2.43
28	3.51	2.80	2.85	3.49	3.98	2.72	1.59	1.10	1.30	2.20	2.00	2.40
29	3.61	-----	3.04	3.54	4.08	2.59	1.36	1.50	1.60	2.36	2.00	2.35
30	3.85	-----	2.60	3.53	4.09	2.57	1.21	1.40	1.70	2.45	2.10	2.34
31	3.69	-----	2.53	-----	4.13	-----	1.31	1.70	-----	2.40	-----	2.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.94	2.89	2.87	2.85	3.80	3.31	2.05	1.27	1.77	1.58	1.68	2.13
MAX	3.85	3.59	3.13	3.54	4.13	4.01	2.80	1.90	2.10	2.45	2.20	2.50
MIN	1.99	2.42	2.53	2.40	3.33	2.57	1.21	0.80	1.00	0.97	1.22	1.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.42.

HIGHEST STAGE WAS 4.34 AT 1:00 P.M. ON MAY 9.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1991

## BAYOU BOEUF (IWW) AT BAYOU BOEUF LOCK (LA.) (WEST)

LOCATION. LAT. 29-40-59, LONG. 91-10-34. ON GUARDRAIL AT FLOODWAY END OF LOCK, 2.5 MILES EAST OF MORGAN CITY, LA. (STA. 7640010.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. SEP. 8, 1954 TO DATE.

EXTREMES. HIGHEST, 10.56 FEET ON MAY 27, 1973. LOWEST, MINUS 1.98 FEET ON NOV. 8, 1959. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	3.66 G	6.38 G	5.12 G	4.73 G	6.40 G	6.18 G	4.19	1.89	2.08	1.80	2.15	2.00
2 G	3.87 G	6.30 G	4.98 G	4.65 G	6.38 G	6.10 G	4.04	1.39	2.19	2.20	1.50	1.90
3 G	4.28 G	6.16 G	5.13 G	4.70 G	6.41 G	6.14 G	3.94	1.35	2.15	2.30	1.60	2.30
4 G	4.32 G	6.32 G	5.06 G	4.55 G	6.48 G	5.98 G	3.91	1.40	2.16	2.10	1.70	2.30
5 G	4.54 G	5.84 G	5.09 G	4.68 G	6.57 G	5.93 G	3.69	1.56	2.21	1.90	1.80	2.40
6 G	4.84 G	5.80 G	5.13 G	4.64 G	6.47 G	5.98 G	3.79	1.27	2.25	0.70	2.10	2.30
7 G	4.86 G	5.68 G	5.19 G	4.72 G	6.55 G	6.02 G	3.70	1.40	2.30	1.10	2.10 G	2.60
8 G	4.81 G	5.25 G	5.29 G	4.91 G	7.06 G	6.02 G	3.53	1.49	2.08	1.80	1.90	2.40
9 G	5.02 G	5.08 G	5.20 G	4.90 G	7.00 G	6.07 G	3.51	1.57	1.98	1.60	1.60 G	3.00
10 G	5.43 G	5.03 G	5.26 G	4.95 G	7.00 G	6.00 G	3.08	1.68 G	2.08	1.60	1.60 G	3.10
11 G	5.72 G	4.84 G	5.31 G	5.06 G	6.82 G	6.08 G	3.37	1.29 G	1.93	1.50	1.50 G	3.30
12 G	5.69 G	4.82 G	5.26 G	5.10 G	6.85 G	6.09 G	3.35	1.03 G	2.10	1.60	1.80 G	3.45
13 G	5.59 G	4.74 G	5.47 G	5.35 G	6.84 G	6.03	2.72	0.90 G	2.08	1.50	1.80 G	3.65
14 G	6.19 G	4.61 G	5.21 G	5.64 G	6.91 G	5.65	2.79	0.83 G	2.04	1.60	2.00 G	3.70
15 G	6.06 G	4.52 G	5.21 G	5.57 G	7.02 G	5.77 G	2.95	1.18 G	2.22	1.60	1.90 G	3.60
16 G	6.15 G	4.78 G	5.17 G	5.59 G	6.93 G	5.70 G	2.64	0.98 G	2.09	1.40	1.90 G	3.90
17 G	6.17 G	4.80 G	5.57 G	5.55 G	6.77 G	5.40 G	2.41	1.39 G	1.83	1.40	1.80 G	4.00
18 G	6.24 G	4.57 G	5.32 G	5.67 G	6.81 G	5.50 G	2.42	1.33 G	1.94	1.20	1.90 G	4.20
19 G	6.26 G	4.60 G	5.05 G	5.68 G	6.87 G	5.34 G	2.58	1.13 G	1.91	1.05	2.00 G	4.40
20 G	6.21 G	4.52 G	5.22 G	5.65 G	6.65 G	5.18 G	2.52	0.97 G	1.29	1.20	2.10 G	4.50
21 G	5.84 G	4.50 G	4.99 G	5.43 G	6.65 G	5.22 G	2.64	1.00 G	1.46	1.10	1.80 G	4.80
22 G	6.34 G	4.64 G	5.15 G	5.75 G	6.68 G	5.05 G	2.80	0.84	1.48	1.10	1.90 G	4.80
23 G	6.47 G	4.64 G	5.14 G	5.81 G	6.78 G	5.06	2.53	0.97	1.57	1.20	2.00 G	5.00
24 G	6.46 G	4.66 G	4.89 G	5.75 G	6.42 G	4.86	2.45	0.91	1.68	1.90	1.50 G	4.70
25 G	6.50 G	4.73 G	4.55 G	5.86 G	6.39 G	4.51	2.30	0.89	1.39	1.20	1.80 G	4.85
26 G	6.51 G	4.83 G	4.92 G	6.40 G	6.33 G	4.39	2.27	0.96	1.21	1.30	1.75 G	4.80
27 G	6.61 G	4.80 G	4.97 G	6.43 G	6.35 G	4.41	2.16	1.16	0.93	1.90	1.85 G	4.85
28 G	6.71 G	4.80 G	4.80 G	6.33 G	6.31 G	4.29	2.17	1.12	1.15	2.30	2.00 G	4.90
29 G	6.51	-----	5.19 G	6.45 G	6.21 G	4.02	1.84	0.97	1.41	2.30	1.90 G	5.00
30 G	6.58	-----	4.78 G	6.45 G	6.17 G	4.26	1.98	1.68	1.42	2.65	1.90 G	4.95
31 G	6.47	-----	4.67	-----	6.20	-----	1.86	1.90	-----	2.50	-----	4.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.71	5.08	5.11	5.43	6.62	5.44	2.90	1.24	1.82	1.63	1.84	3.75
MAX	6.71	6.38	5.37	6.45	7.06	6.18	4.19	1.90	2.30	2.65	2.15	5.00
MIN	3.66	4.50	4.55	4.55	6.17	4.02	1.84	0.83	0.93	0.70	1.50	1.90
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 3.87.

HIGHEST STAGE WAS 7.36 AT 9:00 A.M. ON MAY 8.

LOWEST STAGE WAS 0.44 ON SEP 28.

## DAILY STAGE FOR 1991

## INTRACOASTAL WATERWAY AT MAX LAKE EAST CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-38-27, LONG. 91-19-22. ON FLOODWAY SIDE (SOUTH) FACE OF STRUCTURE AT MAX LAKE EAST PROTECTION LEVEE, 4.7 MILES SOUTHEAST OF CALUMET, LA. (STA. 7644010.)

GAGE. AUTOMATIC RECORD<sup>FM</sup> AND STAFF.

RECORDS AVAILABLE. JULY 19, 1955 TO JULY 17, 1979, AND JUNE 22, 1982 TO DATE.

EXTREMES. HIGHEST, 8.52 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.08 FEET ON JAN. 11, 19<sup>th</sup>.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		4.85	4.00	3.45	4.80	4.62	3.21					
2	F 2.65	4.80	4.15	3.50	4.75	4.49	3.10					
3	2.81	4.69	4.06	3.60	4.84	4.42	3.09					
4	2.72	4.59	3.78	3.60	4.81	4.34	3.05					
5	2.94	4.71	3.90	3.56	4.85	4.24	3.06					
6	3.12	4.55	4.00	3.64	4.78	4.15	3.44					
7	3.21	4.36	3.94	3.63	4.68	4.34	3.24					
8	3.12	4.16	3.95	3.88	5.06	4.46	3.15					
9	3.29	3.97	3.98	3.85	5.34	4.52	3.11					
10	3.60	3.80	3.94	3.84	5.26	4.62	3.03					
11	3.89	3.65	4.00	3.96	5.15	4.75	2.99				F 2.40	
12	3.83	3.59	4.10	4.12	5.08	4.67	2.87				2.64	
13	3.76	3.71	4.10	4.21	5.05	4.57					2.85	
14	3.89	3.65	4.01	4.37	5.04	4.42					2.42	
15	4.10	3.42	3.97	4.43	5.25	4.28					2.66	
16	4.09	3.39	4.10	4.44	5.20	4.20						2.89
17	3.97	3.69	4.36	4.35	5.00	4.10	F 2.00					3.14
18	4.10	3.57	4.17	4.40	5.07	3.97						3.19
19	4.16	3.61	3.99	4.33	5.04	3.87						3.25
20	4.09	3.42	4.06	4.29	5.04	3.76						3.59
21	4.10	3.30	3.86	4.14	4.91	3.79						3.95
22	4.04	3.67	3.94	4.30	4.81	3.80						3.74
23	4.12	3.45	3.83	4.45	4.93	3.72						3.95
24	4.30	3.45	3.57	4.34	5.05	3.60						3.65
25	4.25	3.59	3.55	4.62	4.98	3.53						3.72
26	F 4.40	3.50	3.60	4.74	4.90	3.44						3.75
27		3.67	3.87	5.02	4.86	3.48						3.68
28		3.83	3.80	5.05	4.78	3.43						3.58
29	F 5.15	-----	4.28	5.03	4.70	3.36						3.50
30	5.24	-----	3.48	4.89	4.69	3.34						3.52
31	5.00	-----	3.45	-----	4.73	-----			-----		-----	3.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.85	3.88	3.93	4.20	4.95	4.08	3.03					3.31
MAX	5.24	4.85	4.36	5.05	5.34	4.75	3.44					3.95
MIN	2.65	3.30	3.45	3.45	4.68	3.34	2.00					2.40
DAYS	28	28	31	30	31	30	13	0	0	0	0	21

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 212

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.00.

HIGHEST STAGE WAS 5.45 AT 1:30 P.M. ON MAY 9.

LOWEST STAGE WAS NOT DETERMINED.

[illegible]

## DAILY STAGE FOR 1991

## MAX LAKE EAST DRAINAGE AREA AT CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-38-32, LONG. 91-19-22. ON LANDSIDE (NORTH) FACE OF STRUCTURE AT MAX LAKE EAST PROTECTION LEVEE, 4.7 MILES SOUTHEAST OF CALUMET, LA. (STA. 7648010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 19, 1955 TO DATE.

EXTREMES. HIGHEST, 2.15 FEET ON MAY 3, 1957. LOWEST, MINUS 3.70 FEET ON JUN. 3, 1986.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			-1.87	-3.08			-2.27	-2.55	-1.97	-2.91	-1.47	-2.48
2			-2.47	-3.04			-2.32	-2.56	-1.59	-2.89	-2.01	-2.43
3			-2.13	-2.98			-2.45	-2.57	-2.03	-2.70	-1.77	-2.30
4			-2.00	-2.92			-2.59	-2.36	-1.97	-2.66	-2.09	
5			-2.13	-2.89			-2.72	-2.34	-1.67	-2.61	-2.09	
6			-2.08	-2.96			-1.62	-1.99	-2.30	-2.40	-2.12	
7			-2.11	-2.96			-2.43	-1.98	-1.84	-2.26	-2.19	
8			-2.12	-2.97			-1.83	-2.11	-1.73	-2.29	-2.23	
9			-2.29	-2.96			-2.30	-1.74	-2.03	-2.48	-2.42	
10			-2.32				-1.66	-2.08	-1.95	-2.55	-2.56	
11			-2.36				-1.83	-1.90	-2.01	-2.85	-2.70	
12							-2.03	-1.71	-2.10	-2.92	-2.86	
13			-2.52				-2.00	-2.29	-2.19	-2.92	-2.74	
14			-2.56			-1.93	-2.27	-2.34	-2.32	-2.91	-2.87	
15		-2.25	-2.68			-2.06	-2.27	-2.16	-2.46	-2.90	-2.96	
16	-2.57	-2.23	-2.74			-1.81	-1.95	-2.05	-2.40	-2.70	-3.00	
17	-1.94	-2.25	-2.37			-2.12	-1.89	-2.10	-2.29	-2.61	-3.00	
18	-2.67	-2.24	-2.47			-1.72	-2.39	-2.02	-2.19	-2.71	-3.00	
19	-2.29	-2.09	-2.35			-1.90	-2.22	-1.87	-2.28	-2.82	-2.97	
20	-2.20	-1.92	-2.18			-2.34	-1.98	-2.17	-2.03	-2.84	-2.84	
21	-2.21	-1.60	-2.57			-2.32	-2.04	-2.19	-2.24	-2.84	-2.67	
22	-2.77	-1.39	-2.57			-2.29	-2.15	-2.23	-2.58	-2.89	-2.55	
23	-2.37	-1.77	-2.61			-1.89	-2.24	-1.80	-2.25	-2.94	-2.46	
24	-2.24	-1.87	-2.66			-2.16	-2.34	-2.47	-2.21	-2.77	-2.43	
25	-2.23	-2.17	-2.73			-1.87	-2.48	-2.42	-2.13	-2.78	-2.43	
26	-2.48	-1.71	-2.82			-2.33	-2.56	-2.48	-1.87	-2.82	-2.39	
27	-2.47	-1.77	-2.95			-1.99	-2.74	-2.43	-1.85	-1.97	-2.37	
28	-2.26	-1.77	-3.02			-1.75	-2.90	-2.16	-2.13	-1.89	-2.35	
29	-2.12	-----	-3.06			-2.19	-2.83	-2.01	-2.46	-2.22	-2.30	
30	-1.50	-----	-3.07			-2.19	-2.71	-2.13	-2.75	-2.14	-2.47	
31	-1.18	-----	-3.06	-----		-----	-2.57	-1.93	-----	-2.21	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-2.22	-1.93	-2.50	-2.97		-2.05	-2.27	-2.16	-2.13	-2.63	-2.48	-2.40
MAX	-1.18	-1.39	-1.87	-2.89		-1.72	-1.62	-1.71	-1.59	-1.89	-1.47	-2.30
MIN	-2.77	-2.25	-3.07	-3.08		-2.34	-2.90	-2.57	-2.75	-2.94	-3.00	-2.48
DAYS	16	14	30	9	0	17	31	31	30	31	30	3

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 242  
 THE MEAN STAGE FOR THE YEAR WAS MINUS 2.33.  
 HIGHEST STAGE WAS MINUS 1.18 AT 8:00 A.M. ON JAN 31.  
 LOWEST STAGE WAS MINUS 3.13 ON OCT 13.

## DAILY STAGE FOR 1991

## INTRACOASTAL WATERWAY AT WAX LAKE WEST CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-40-17, LONG. 91-26-58. ON FLOODWAY SIDE (SOUTH) FACE OF STRUCTURE AT WAX LAKE WEST PROTECTION LEVEE, FIVE MILES SOUTHWEST OF CALUMET, LA. (STA. 7656010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JULY 19, 1955 TO NOV. 18, 1975 AND JAN. 20, 1976 TO DATE.

EXTREMES. HIGHEST, 7.35 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.38 FEET ON JAN. 13, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

## GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.95		2.86		3.69	3.52	2.35	1.70	2.25	2.04	1.90	1.37
2	2.25		3.03 F	2.25	3.70	3.37	2.20	1.94	2.45	2.45	0.60	1.26
3	2.25		2.90	2.45	3.65	3.20	2.24	1.92	2.35	2.05	0.65	1.05
4	2.10		2.30	2.50	3.67	3.05	2.24	2.07	2.45	1.99	0.35	0.65
5	2.50 F	3.40	2.54	2.45	3.70	2.85	2.36	2.00	2.66	1.65	1.02	1.15
6	2.50		2.70	2.44	3.46	2.73	3.01	1.65	2.44	0.05	1.35	1.45
7	2.40		2.56	2.30	3.34	3.14	2.70	2.10	2.15	0.80	1.40	1.40
8	2.15		2.55	2.75	3.84	3.30	2.50	2.15	1.80	1.45	0.80	1.60
9	2.34		2.47	2.69	4.15	3.49	2.42	2.13	1.70	1.28	0.75	1.75
10	2.90		2.35	2.58	4.10	3.70	2.43	1.87	1.85	1.18	1.05	1.44
11	3.25		2.64	2.75	3.90	3.65	2.45	1.60	1.75	1.12	1.14	1.80
12	2.85		2.80	3.06	3.80	3.65	2.30	1.54	2.00	1.37	1.25	1.94
13	2.85		2.85	3.16	3.80	3.54	2.06	1.40	2.04	1.33	1.40	2.06
14	3.05		2.60	3.44	3.80	3.40	2.08	1.73	1.95	1.55	1.67	1.75
15	3.45		2.55	3.45	4.15	3.26	1.89	2.02	2.30	1.10	1.74	1.35
16	3.25		3.00	3.44	4.00	3.12	1.65	1.50	2.00	1.08	1.64	1.56
17	3.20		3.27	3.25	3.80	2.95	1.40	1.80	1.75	1.75	1.55	1.82
18	3.30		3.05	3.37	3.75	2.75	1.55	1.93	1.98	1.20	1.55	1.84
19	3.50 F	2.70	2.80	3.28	3.75	2.62	1.85	1.50	1.77	0.90	1.43	1.90
20	3.35 F	2.15	3.00 F	3.20	3.83	2.50	1.80	1.40	1.25	1.15	1.70	2.40
21	3.10	2.07	2.70	2.80	3.80	2.59	2.00	1.49	1.47	0.96	1.05	2.89
22	3.05	2.50	2.90 F	3.13	3.65	2.65	2.33	1.40	1.67	0.75	1.20	2.61
23	3.15	2.08	2.62	3.83	3.83	2.57	2.20	1.70	1.65	0.79	1.30	2.90
24	3.40	2.20	2.22 F	3.25	4.10	2.55	1.95	1.45	1.70	1.43	0.25	2.36
25	3.35	2.35	2.25	3.47	4.00	2.45	1.99	1.45	1.07	1.60	1.00	2.40
26	3.45	2.10		3.74	4.10	2.40	1.95	1.40	1.10	1.90	1.40	2.54
27	3.50	2.38		4.07	4.15	2.50	1.85	1.50	0.75	2.60	1.70	2.37
28	3.75	2.60	F	4.02	3.68	2.50	1.72	1.74	1.46	2.80	1.46	2.20
29	3.80	-----			3.60	2.45	1.28	1.64	1.90	2.90	1.55	1.95
30		-----	F	3.80	3.60	2.45	1.30	1.65	2.20	3.15	1.38	2.14
31		-----		-----	3.70	-----	1.35	2.10	-----	2.89	-----	2.12

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.96	2.41	2.70	3.08	3.81	2.96	2.05	1.72	1.86	1.59	1.24	1.87
MAX	3.80	3.40	3.27	4.07	4.15	3.70	3.01	2.15	2.66	3.15	1.90	2.90
MIN	1.95	2.07	2.22	2.25	3.34	2.40	1.28	1.40	0.75	0.05	0.25	0.65
DAYS	29	11	25	27	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 337

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.34.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 4.26 AT NOON ON MAY 9.

LOWEST STAGE WAS MINUS 0.27 ON OCT 6.

## DAILY STAGE FOR 1991

## FRESHWATER CANAL ABOVE BEEF RIDGE (LA.)

LOCATION. LAT. 29-33-18, LONG. 92-18-19. ABOUT 200 FEET NORTH OF FRESHWATER BAYOU LOCK.  
(STA. 7659017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 13, 1963 TO JAN. 8, 1966, AND FEB. 23, 1967 TO DATE. PRIOR TO JULY 25, 1967, GAGE WAS LOCATED AT BELLE ISLE CANAL.

EXTREMES. HIGHEST, 7.45 FEET ON SEP. 16, 1971 (CAUSED BY HURRICANE). LOWEST (FROM INCOMPLETE RECORD) MINUS 2.9 FEET ON JAN. 8, 1970 AND JAN. 15, 1972.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 2.50 G	2.40 G	3.10 G	1.10	3.20	3.09 G	2.20 G	1.65 G	3.40 G	3.30 G	3.10 G	2.32
2	G 3.10	2.20 G	3.05 G	1.85	3.05	2.85 G	2.22 G	2.65 G	3.50 G	3.56 G	2.01 G	2.35
3	G 2.51	2.40 G	2.30 G	2.60	3.35	2.60 G	2.18 G	2.75 G	3.65 G	3.45 G	2.50 G	1.80
4	G 2.36	2.15 G	1.40 G	2.28	3.19	2.40 G	2.25 G	2.89 G	3.60 G	3.48 G	1.90 G	1.30
5	G 2.71	2.70 G	1.71 G	1.83	2.91	2.30 G	2.45 G	2.90 G	3.65 G	3.25 G	2.50 G	2.40
6	G 2.12	2.35 G	2.00 G	2.15	1.90	2.30 G	3.69 G	2.70 G	3.60 G	1.68 G	2.70 G	2.75
7	G 2.20	1.80 G	1.71 G	2.01	2.45	3.60 G	3.05 G	2.80 G	3.50 G	2.50 G	2.70 G	2.45
8	G 1.53	1.30 G	2.02 G	2.50 G	3.70	3.65 G	3.30 G	2.60 G	3.10 G	3.25 G	2.65 G	2.65
9	G 2.10 G	2.05 G	1.88 G	2.51	3.50	3.95 G	2.90 G	2.45 G	3.05 G	3.00 G	1.40 G	2.60
10	G 3.10 G	2.05 G	1.50 G	2.30	3.24 G	4.00	2.80 G	1.80 G	3.40 G	2.65 G	2.35 G	2.00
11	G 3.30 G	2.00 G	2.25 G	3.40	2.93	3.60	2.35 G	1.45 G	3.40 G	2.30 G	2.16 G	2.60
12	G 2.20 G	2.30 G	2.62 G	3.55	2.99	3.20 G	2.15 G	1.71 G	3.45 G	2.50 G	2.25 G	2.60
13	G 2.28 G	2.80 G	2.30 G	3.70	3.10	2.80 G	1.91 G	1.40 G	3.40 G	2.55 G	2.20 G	2.55
14	G 2.80 G	2.34 G	1.81 G	3.79	3.30	2.52 G	1.85 G	2.10 G	3.40 G	2.70 G	2.75 G	2.15
15	G 3.40 G	1.55 G	2.60 G	3.25	3.50	2.70 G	1.88 G	2.90 G	3.55 G	2.50 G	2.75 G	1.48
16	G 2.41 G	1.60 G	3.29 G	3.20	3.25	2.60 G	1.81 G	2.60 G	3.50 G	2.80 G	2.55 G	1.60
17	G 2.60 G	3.40 G	3.30 G	2.60	3.15	2.55 G	1.93 G	3.05 G	3.30 G	2.89 G	2.80 G	2.15
18	G 3.54 G	2.60 G	2.80 G	2.50	3.15	2.50 G	2.40 G	2.91 G	3.30 G	2.90 G	2.85 G	2.00
19	G 2.87 G	2.60 G	2.10 G	2.40	3.40	2.40 G	2.70 G	2.35 G	3.30 G	2.60 G	2.80 G	2.95
20	G 1.99 G	2.45 G	2.50 G	2.48	3.67	2.40 G	2.80 G	2.20 G	2.00 G	2.80 G	2.80 G	3.71
21	G 1.17 G	2.05 G	1.90 G	2.20	3.40	2.75 G	3.00 G	2.40 G	2.70 G	2.65 G	2.15 G	3.85
22	G 1.70 G	2.23 G	2.65 G	2.60	3.60 G	2.87 G	2.90 G	2.30 G	3.00 G	2.79 G	2.67 G	3.00
23	G 2.39 G	1.79 G	2.15 G	2.90	3.90 G	2.70 G	2.80 G	2.30 G	2.95 G	2.89 G	2.80 G	3.25
24	G 2.40 G	2.01 G	1.80 G	2.93	3.83 G	2.75 G	2.30 G	2.48 G	3.10 G	3.55 G	0.50 G	2.00
25	G 2.00 G	2.30 G	2.05 G	3.70	3.65 G	2.50 G	2.20 G	2.30 G	2.20 G	3.60 G	2.20 G	2.50
26	G 2.00 G	1.90 G	2.70 G	3.70	3.65 G	2.35 G	2.10 G	1.92 G	1.90 G	3.75 G	2.85 G	2.30
27	G 1.50 G	2.39 G	3.50 G	4.45	3.65 G	2.40 G	1.75 G	1.50 G	2.45 G	3.80 G	3.00 G	2.45
28	G 1.20 G	3.00 G	3.30 G	4.20	3.50 G	2.90 G	1.65 G	2.40 G	2.85 G	4.10 G	2.55 G	2.05
29	G 1.50	----- G	3.70 G	3.94	3.45 G	2.68 G	1.50 G	2.40 G	3.44 G	4.07 G	2.55 G	1.60
30	G 1.80	----- G	1.57 G	3.50	3.32 G	2.40 G	1.49 G	2.45 G	3.45 G	4.22 G	2.48 G	2.25
31	G 0.30	----- G	1.44	-----	3.50	----- G	1.65 G	3.20	----- G	4.00	-----	2.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.24	2.24	2.35	2.87	3.30	2.81	2.33	2.37	3.17	3.10	2.45	2.38
MAX	3.54	3.40	3.70	4.45	3.90	4.00	3.69	3.20	3.65	4.22	3.10	3.85
MIN	0.30	1.30	1.40	1.10	1.90	2.30	1.49	1.40	1.90	1.68	0.50	1.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G-GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.64.

HIGHEST STAGE WAS 4.50 AT 6:00 A.M. ON APR 27.

LOWEST STAGE WAS 0.30 ON JAN 31.

## DAILY STAGE FOR 1991

## FRESHWATER CANAL AT FRESHWATER BAYOU LOCK (LA.) (NORTH)

LOCATION. LAT. 29-33-16, LONG. 92-18-20. ON NORTH SIDE OF LOCK. (STA. 7659217.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 1968 TO DATE.

EXTREMES. HIGHEST, 5.20 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, MINUS 2.9 FEET ON JAN. 8, 1970 AND JAN. 15, 1972.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 2.80 G	2.40 G	3.60 G	1.10	2.90	3.10 G	2.20 G	1.80 G	3.40 G	3.40 G	3.30 G	2.85
2	G 3.10	2.20 G	2.70 G	1.40	2.70	2.80 G	2.30 G	2.30 G	3.50 G	3.60 G	2.00 G	2.60
3	G 2.80	2.40 G	2.00 G	2.20	3.20	2.60 G	2.10 G	2.70 G	3.70 G	3.40 G	2.60 G	1.80
4	G 2.20	2.20 G	1.50 G	2.40	3.00	2.40 G	2.30 G	2.70 G	3.50 G	3.40 G	2.00 G	1.10
5	G 2.20	2.60 G	1.80 G	1.70	3.10	2.20 G	2.50 G	2.80 G	3.60 G	3.30 G	2.70 G	2.50
6	G 2.50	2.30 G	1.80 G	2.20	2.90	2.45 G	3.60 G	2.50 G	3.40 G	1.70 G	3.00 G	3.00
7	G 2.00	1.70 G	1.80 G	2.20	2.50	2.75 G	3.00 G	2.50 G	3.30 G	2.35 G	2.90 G	2.60
8	G 1.50	1.10 G	1.90 G	2.60 G	3.20	3.75 G	3.20 G	2.20 G	3.20 G	3.20 G	2.75 G	2.80
9	G 2.10 G	2.20 G	1.90 G	2.70	2.80	3.80 G	3.00 G	2.10 G	2.40 G	2.90 G	1.40 G	2.90
10	G 3.30 G	2.10 G	1.50 G	2.40	3.20 G	4.00	2.50 G	1.50 G	3.20 G	2.70 G	2.40 G	2.10
11	G 3.50 G	2.10 G	2.40 G	3.40	3.00	3.70	2.00 G	1.30 G	3.40 G	2.50 G	2.20 G	2.80
12	G 2.20 G	2.20 G	2.50 G	3.50	3.20	3.40 G	2.00 G	1.50 G	3.40 G	2.60 G	2.35 G	2.70
13	G 2.40 G	3.00 G	2.30 G	3.80	2.90	2.70 G	2.10 G	1.30 G	3.40 G	2.60 G	2.40 G	2.60
14	G 3.10 G	2.50 G	1.80 G	3.80	2.90	2.50 G	1.80 G	2.10 G	3.50 G	2.80 G	2.90 G	2.20
15	G 3.10 G	1.60 G	2.70 G	3.20	3.50	2.70 G	1.95 G	2.70 G	3.60 G	2.70 G	3.00 G	1.40
16	G 2.40 G	1.50	3.10 G	2.80	3.00	2.70 G	1.90 G	2.60 G	3.50 G	2.90 G	2.80 G	1.75
17	G 2.10 G	3.40 G	3.30 G	2.40	3.20	2.60 G	2.35 G	2.00 G	3.30 G	2.80 G	3.10 G	2.30
18	G 3.50 G	3.40 G	2.30 G	2.30	3.20	2.40 G	2.50 G	2.90 G	3.40 G	2.95 G	3.20 G	2.50
19	G 3.00 G	2.40 G	1.90 G	2.40	3.50	2.70 G	2.60 G	2.30 G	3.10 G	2.70 G	3.00 G	3.00
20	G 2.20 G	2.50 G	2.20 G	2.40	3.40	2.50 G	2.70 G	2.00 G	1.70 G	2.75 G	3.00 G	3.90
21	1.20 G	2.10 G	2.00 G	2.20	3.00	2.80 G	2.80 G	2.20 G	2.60 G	2.70 G	2.20 G	4.10
22	1.75 G	2.30 G	2.80 G	2.70	3.50 G	2.80 G	2.70 G	2.20 G	2.90 G	2.70 G	2.80 G	3.00
23	2.30 G	1.80 G	2.30 G	3.00	4.10 G	2.50 G	2.50 G	2.20 G	3.00 G	2.90 G	3.00 G	3.20
24	1.70 G	2.20 G	1.80 G	3.00	3.90 G	2.50 G	2.10 G	2.40 G	3.00 G	3.65 G	0.60 G	2.00
25	1.70 G	2.30 G	2.10 G	3.70	3.90 G	2.10 G	1.80 G	2.20 G	2.30 G	3.60 G	2.20 G	2.10
26	1.90 G	2.00 G	2.80 G	3.20	3.80 G	2.10 G	1.80 G	1.90 G	1.80 G	3.80 G	2.70 G	2.20
27	1.00 G	2.60 G	3.50 G	4.40	3.40 G	2.00 G	1.60 G	1.50 G	2.30 G	3.90 G	3.30 G	2.50
28	1.20 G	3.00 G	3.30 G	4.10	3.30 G	2.10 G	1.60 G	2.40 G	2.80 G	4.20 G	2.85 G	2.20
29	1.50	----- G	3.70 G	3.80	3.20 G	2.40 G	1.50 G	2.40 G	3.40 G	4.15 G	2.90 G	1.80
30	1.80	----- G	1.70 G	3.00	3.10 G	2.30 G	1.50 G	2.40 G	3.40 G	4.30 G	2.85 G	2.40
31	0.30	----- G	1.40	-----	3.20	----- G	1.60 G	3.20	----- G	4.10	----- G	2.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.20	2.29	2.34	2.80	3.22	2.71	2.26	2.25	3.10	3.14	2.61	2.49
MAX	3.50	3.40	3.70	4.40	4.10	4.00	3.60	3.20	3.70	4.30	3.30	4.10
MIN	0.30	1.10	1.40	1.10	2.50	2.00	1.50	1.30	1.70	1.70	0.60	1.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.62.

HIGHEST STAGE WAS 4.40 ON APR 27.

LOWEST STAGE WAS 0.30 ON JAN 31.

## DAILY STAGE FOR 1991

## FRESHWATER CANAL AT FRESHWATER BAYOU LOCK (LA.) (SOUTH)

LOCATION. LAT. 29-33-09, LONG. 92-18-21. ON SOUTH SIDE OF LOCK. (STA. 7659317.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1968 TO DATE.

EXTREMES. HIGHEST, 6.90 FEET ON AUG. 1, 1989. LOWEST, MINUS 5.0 FEET ON JAN. 20, 1985.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	0.40 G	1.05 G	1.60 G	2.40	4.10	3.60 G	3.10 G	2.08 G	3.30 G	3.30 G	2.00 G	2.30
2 G	1.10	2.00 G	2.70 G	2.40	3.20	3.60 G	2.60 G	2.40 G	3.45 G	3.75 G	2.50	2.01
3 G	0.80	1.90 G	1.40 G	3.20	3.90	3.00 G	2.40 G	2.60 G	3.50 G	3.30 G	1.10 G	0.50
4 G	1.40	2.30 G	1.50 G	3.50	3.60	2.70 G	3.00 G	2.62 G	3.80 G	3.15 G	0.80 G	-0.26
5 G	2.60	3.00 G	2.20 G	2.80	4.50	2.20 G	3.00 G	2.50 G	3.85 G	2.36 G	0.80 G	0.80
6 G	2.60	2.00 G	2.40 G	2.80	2.00	2.05 G	3.40 G	2.70 G	3.85 G	1.70 G	1.00 G	0.60
7 G	1.80	1.40 G	2.20 G	3.10	2.90	2.80 G	3.30 G	3.00 G	2.75 G	1.71 G	0.80 G	0.40
8 G	1.50	1.10 G	1.40 G	2.20 G	2.80	3.50 G	3.25 G	3.00 G	2.50 G	1.55 G	0.70 G	0.41
9 G	1.40 G	0.80 G	1.20 G	2.00	3.50	4.08 G	3.00 G	2.50 G	2.00 G	1.30 G	0.80 G	1.30
10 G	1.60 G	0.70 G	0.80 G	1.80	3.50 G	3.70	3.00 G	2.30 G	2.30 G	1.11 G	1.30 G	0.90
11 G	1.70	0.00 G	1.10 G	2.90	2.90	3.80	2.90 G	1.90 G	2.30 G	1.00 G	1.30 G	1.50
12 G	-0.90 G	0.10 G	1.00 G	2.70	2.80	3.90 G	2.70 G	1.90 G	2.50 G	1.41 G	1.40 G	1.75
13 G	0.10 G	1.00 G	1.10 G	3.30	3.40	3.90 G	2.50 G	2.00 G	2.60 G	1.60 G	1.50 G	2.50
14 G	0.80 G	0.20 G	0.70 G	3.20	3.80	3.80 G	2.50 G	2.40 G	2.90 G	2.10 G	2.60 G	1.15
15 G	-2.10 G	-0.66 G	1.60 G	3.40	4.30	4.00 G	2.60 G	2.40 G	3.15 G	1.99 G	2.65 G	1.05
16 G	0.20 G	0.60	2.70 G	3.60	4.40	3.80 G	2.28 G	2.45 G	3.15 G	2.18 G	2.80 G	1.80
17 G	0.75 G	1.70 G	2.40 G	3.50	4.70	2.90 G	2.45 G	2.65 G	3.30 G	2.60 G	3.05 G	1.70
18 G	0.80 G	2.60 G	2.10 G	4.10	4.60	3.15 G	2.20 G	2.70 G	3.15 G	2.23 G	2.85 G	0.40
19	2.60 G	3.20 G	2.95 G	3.40	4.30	2.55 G	1.50 G	2.60 G	2.70 G	1.74 G	2.20 G	0.50
20	2.10 G	2.40 G	3.20 G	2.60	3.65	2.40 G	1.60 G	2.00 G	2.50 G	1.85 G	1.50 G	0.72
21	0.70 G	1.90 G	3.60 G	2.30	3.17	2.50 G	1.80 G	2.10 G	2.85 G	1.73 G	0.05 G	0.35
22	1.70 G	1.50 G	3.60 G	2.90	3.45 G	2.65 G	2.75 G	2.40 G	2.70 G	1.46 G	0.41 G	0.20
23	2.20 G	0.10 G	3.22 G	2.30	4.00	2.40 G	2.60 G	2.80 G	2.70 G	1.29 G	-0.80 G	0.80
24	1.50 G	0.40 G	2.00 G	2.50	3.85 G	2.40 G	2.60 G	2.60 G	2.30 G	1.75 G	-0.80 G	1.10
25	1.60 G	1.00 G	2.00 G	2.60	3.65 G	2.70 G	2.75 G	2.40 G	1.00 G	1.20 G	0.20 G	1.19
26	1.70 G	-0.30 G	2.10 G	3.30	3.65 G	2.65 G	2.45 G	2.50 G	1.40 G	1.35 G	1.50 G	2.00
27	0.70 G	-0.20 G	2.60 G	3.90	3.75 G	2.80 G	2.40 G	2.70 G	1.50 G	2.15 G	2.30 G	3.00
28	0.60 G	1.30 G	1.84 G	4.10	3.90 G	3.00 G	2.50 G	2.00 G	2.20 G	2.48 G	2.30 G	2.01
29	1.10	----- G	2.50 G	4.00	3.80	3.09 G	2.15 G	2.45 G	3.00 G	3.25 G	2.90 G	2.10
30	0.30	----- G	2.12 G	3.40	3.40 G	3.30 G	2.20 G	2.20 G	3.20 G	2.80 G	2.65 G	2.20
31	-0.10	----- G	1.60	-----	4.15	----- G	2.30 G	2.90	----- G	3.43	----- G	1.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.07	1.18	2.05	3.01	3.67	3.10	2.57	2.44	2.75	2.09	1.48	1.23
MAX	2.60	3.20	3.60	4.10	4.70	4.08	3.40	3.00	3.85	3.75	3.05	3.00
MIN	-2.10	-0.66	0.70	1.80	2.00	2.05	1.50	1.90	1.00	1.00	-0.80	-0.26
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.22.

HIGHEST STAGE WAS 5.20 AT 7:00 A.M. ON MAY 5.

LOWEST STAGE WAS MINUS 2.10 ON JAN 15.

## DAILY STAGE FOR 1991

SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (EAST AUTO.)

LOCATION. LAT. 29-45-28, LONG. 92-15-48. ON NORTHEAST LOCKWALL OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH ILW. (STA. 7660017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1, 1917 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.63 FEET (CAUSED BY HURRICANE) ON SEP. 11, 1961 (PROBABLY HIGHER DURING HURRICANE OF JUNE 1957). LOWEST, MINUS 2.90 FEET ON MAR. 5, 1962 AND DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.15		2.90	1.60	3.30	3.40	2.45	1.90	3.60 F	2.68	2.70	2.19
2	3.00		2.91	2.10	3.12	3.10	2.41	2.75	3.55	3.51	2.03	2.20
3	2.29		2.45	3.00	3.55	2.80	2.60	2.60	3.70	3.40	2.17	1.94
4	2.10	2.39	1.70	2.60	3.25	2.70	2.50	2.78	3.73	3.35	1.82	1.59
5	2.71	3.00	2.30	2.00	3.10	2.51	2.70	2.86	3.85	2.99	2.31	2.28
6	2.01	2.50	2.39	1.99	2.20	2.55	3.85	2.70	3.70	1.62	2.50	2.30
7	2.10	2.30	2.00	2.02	2.60	3.60	3.29	3.19	3.50	2.40	2.51	2.19
8	1.63	2.10	1.90	2.21	3.40	3.90	3.25	2.94	3.05	3.10	2.13	2.30
9	1.95	2.20	1.90	2.21	3.89	4.00	3.20	2.81	2.90	2.80	1.85	2.49
10	2.96	2.20	1.70	2.00	3.48	4.33	3.10	2.40	3.45	2.39	2.25	2.05
11	3.01	2.10	2.10	3.28	3.60	4.00	2.85	1.70	3.20	2.11	2.10	2.30
12	2.49	2.29	2.00	3.78	3.59	3.90	2.70	1.85	3.35	2.30	2.15	2.45
13	2.45	2.70	2.10	4.01	3.49	3.20	2.49	1.80	3.22	2.40	2.10	2.45
14	2.99	2.29	1.87	3.99	3.48	3.14	2.11	2.21	3.15	2.53	2.65	1.84
15	3.40	1.80	2.45	3.50	3.55	2.99	2.05	3.22	3.30	2.20	2.55	1.40
16	2.64	2.15	3.50	3.60	4.00	2.85	2.10	2.51	3.20	2.70	2.40	1.78
17	2.80	3.20	3.80	2.80	3.36	2.60	2.03	3.00	2.95	2.90	2.55	1.95
18	3.48	3.00	2.55	2.70	3.41	2.60	2.35	2.81	3.10	2.80	2.65	1.80
19 F	2.70	3.00	2.38	2.60	3.50	2.61	2.50	2.30	3.10	2.31	2.50	2.51
20 F	2.37	2.19	2.60	2.38	3.69	2.71	2.71	2.41	2.06	2.51	2.60	3.46
21	2.30	2.20	2.00	2.15	3.45	2.85	3.09	2.51	2.62	2.40	2.25	3.28
22	2.20	2.41	2.75	2.60	3.73	3.00	3.10	2.40	3.00	2.50	2.50	2.40
23	2.46	1.90	1.95	2.60	4.11	2.99	3.03	2.50	2.95	2.70	2.58	2.74
24	2.61	2.10	1.70	2.70	4.19	2.89	2.57	2.51	3.10	3.30	1.50	2.03
25	2.41	2.20	1.82	3.50	4.00	2.70	2.10	2.50	1.90	3.50	2.19	2.49
26	2.58	2.02	2.20	4.01	3.89	2.55	2.26	2.30	2.15	3.50	3.00	2.44
27	2.52	2.24	3.20	4.60	3.70	2.54	1.97	2.70	2.26	4.36	3.04	2.16
28 F	3.05	2.59	2.90	4.39	3.70	2.99	1.92	2.58	2.70	4.40	2.50	2.10
29			3.20	3.90	3.65	2.68	1.65	2.61	3.32	4.40	2.39	1.80
30			1.10	3.40	3.50	2.62	1.51	2.50	3.40	4.40	2.20	2.00
31			1.70		3.70		1.97	3.50		4.20		1.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.55	2.36	2.32	2.94	3.52	3.04	2.53	2.56	3.10	2.99	2.36	2.22
MAX	3.48	3.20	3.80	4.60	4.19	4.33	3.85	3.50	3.85	4.40	3.04	3.46
MIN	1.63	1.80	1.10	1.60	2.20	2.51	1.51	1.70	1.90	1.62	1.50	1.40
DAYS	31	25	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359

F=NOT AT STATED TIME G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.71.

HIGHEST STAGE WAS 4.83 AT 2:00 A.M. ON APR 27 AND LATER DATE(S).

LOWEST STAGE WAS 0.36 ON NOV 24.

## DAILY STAGE FOR 1991

SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (EAST STAFF)

LOCATION. LAT. 29-45-28, LONG. 92-15-48. ON SOUTHEAST PILING OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH ILM. (STA. 7664017.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 1, 1917 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.10 FEET ON SEP. 5, 1973. LOWEST, MINUS 3.00 FEET ON DEC. 23, 1989. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 2.40	2.60 G	3.30 G	1.20	3.10	3.20	2.25 G	1.50 G	3.50 G	2.70	2.75 G	2.50
2	G 3.10	2.70 G	3.10 G	1.60	2.95	2.90	2.25 G	2.45 G	3.55 G	3.60	1.90 G	2.50
3	G 2.50	2.45	2.20 G	2.50	3.25	2.75	2.20 G	2.20 G	3.60 G	3.50	2.20	1.95
4	G 2.05	2.30	1.75 G	2.10	3.05	2.60	2.40 G	2.80 G	3.60 G	3.50	1.85	1.65
5	G 2.70	2.80	2.10 G	1.80	2.90	2.45	2.40 G	1.90 G	2.70 G	3.20	2.50	2.30
6	G 2.10	2.50	2.40 G	2.00	2.50	2.45 G	4.00 G	2.70 G	3.60	1.60 G	2.60 G	2.60
7	G 2.10	2.45	2.05 G	2.05	2.60 G	3.55	2.85 G	2.75 G	3.40 G	2.40 G	2.75 G	2.25
8	G 1.70	2.10	1.90 G	2.45	3.55 G	3.90	3.20 G	2.30 G	3.10 G	3.20	2.10 G	2.60
9	G 2.00	2.20	1.80 G	2.40 G	3.70 G	4.20	3.00 G	2.30	2.85 G	3.00	1.70 G	2.60
10	G 3.00	2.30	1.70 G	2.20 G	3.70 G	4.30	2.80 G	1.70 G	3.20 G	2.60	2.35	2.10
11	3.20	2.20	2.10 G	3.30	3.50 G	3.80	2.50 G	1.55 G	3.40 G	2.35	2.15	2.55
12	2.50	2.30 G	2.20 G	3.80	3.50	3.45	2.35 G	1.30 G	3.45 G	2.60	2.30 G	2.40
13	2.50	2.85	2.20 G	4.10	3.20	3.05	2.20 G	1.45 G	3.30 G	2.55	2.20 G	2.50
14	3.00	2.40 G	1.90 G	4.00	3.05	2.90	1.90 G	2.10 G	3.70 G	2.65 G	2.75	2.05
15	G 3.55	1.80 G	2.60 G	3.05	3.55	2.85	2.00 G	3.00 G	3.55 G	2.40 G	2.85	1.60
16	2.70	1.90 G	3.20 G	3.15	3.40	2.70	2.00 G	2.50 G	3.45 G	2.70 G	2.50	1.95
17	G 2.85	3.40 G	4.00	2.50	3.30	2.60	2.00 G	3.05 G	3.20 G	2.90 G	2.80	2.10
18	G 3.45	2.70	2.40	2.50	3.35	2.60	2.40 G	2.85 G	3.20 G	2.90 G	2.85	2.00
19	G 3.35	2.50	2.10	2.40	3.45	2.55	2.65	2.35 G	3.05 G	2.50 G	2.70 G	2.70
20	2.60	2.10	2.25	2.50	3.70	2.75 G	2.50	2.20	1.90 G	2.80 G	2.80 G	3.70
21	2.30	2.10	2.05	2.20	3.50	2.80 G	2.90	2.35 G	2.55 G	2.60	2.30 G	3.70
22	2.20	2.50 G	2.50	2.50	3.80	2.80 G	2.60	2.20 G	2.90 G	2.80 G	2.60 G	2.80
23	2.50	2.00	2.00	2.70 G	4.15	2.90	2.75	2.25 G	2.85 G	3.00 G	2.55 G	2.80
24	2.80	2.20	1.70	2.75 G	4.20	2.50	2.20 G	2.50 G	3.00 G	3.60	1.40	2.00
25	2.40	2.30	2.00 G	3.60	4.00	2.30	2.00 G	2.30	2.00 G	3.70	2.25	2.40
26	2.60	2.00 G	2.50 G	3.70	3.60	2.30	2.00	2.20	2.00 G	3.85 G	2.80	2.25
27	2.60	2.40 G	3.60 G	4.60	3.60	2.10	1.80 G	2.50	2.30 G	4.10 G	3.20	2.20
28	3.10 G	2.90 G	3.25 G	4.40	3.40	2.75	1.60 G	2.55 G	2.70 G	4.40 G	2.65	2.10
29	3.10	-----	3.75 G	3.70	3.35	2.50	1.50 G	2.50 G	3.40 G	4.40 G	2.60	1.80
30	3.20	-----	1.10	3.25	3.35	2.35	1.50 G	2.50 G	3.40 G	4.55 G	2.45	2.10
31	2.25	-----	1.20	-----	3.55	-----	1.50 G	3.20	-----	4.05	-----	2.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.66	2.39	2.35	2.83	3.41	2.89	2.33	2.32	3.08	3.12	2.45	2.35
MAX	3.55	3.40	4.00	4.60	4.20	4.30	4.00	3.20	3.70	4.55	3.20	3.70
MIN	1.70	1.80	1.10	1.20	2.50	2.10	1.50	1.30	1.90	1.60	1.40	1.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.68.

HIGHEST STAGE WAS 4.60 ON APR 27.

LOWEST STAGE WAS 1.10 ON MAR 30.

## DAILY STAGE FOR 1991

## SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (WEST)

LOCATION. LAT. 29-45-28, LONG. 92-15-50. ON SOUTHWEST LOCKWALL OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH I.W. (STA. 7668017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1, 1917 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, WATER OVER GATES (ELEVATION, SIX FEET, M.L.G.) DURING HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 1.70 FEET (PRESENT DATUM) ON DEC. 21, 1924.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 2.20	2.70 G	3.09 G	2.15	3.21	3.48	2.40 G	2.15 G	2.30 G	2.30	2.66 G	2.39
2	G 2.20	2.80 G	3.00 G	2.10	3.05	3.17	2.40 G	2.20 G	2.40 G	2.31	1.97 G	2.36
3	G 2.29	2.45	2.60 G	2.00 G	3.10	2.90	2.30 G	2.10 G	2.50 G	2.36	2.10	2.08
4	G 2.20	2.42	2.00 G	2.10	3.10	2.75	2.45 G	2.15 G	2.69 G	2.30	1.85	1.78
5	G 2.60	3.04	2.35 G	2.08	3.03	2.60	2.51 G	2.11 G	2.65 G	2.40	2.40	2.23
6	G 2.60	2.60	2.52 G	2.10	3.37	2.60 G	2.98 G	2.20 G	2.75	1.77 G	2.50 G	2.40
7	G 2.20	2.58	2.18 G	2.01	2.70 G	3.31	2.99 G	2.20 G	2.88 G	2.18 G	2.59 G	2.20
8	1.75	2.40	2.00 G	2.19	3.44 G	3.29	3.12 G	2.18 G	2.99 G	2.18	2.15 G	2.42
9	2.08	2.29	2.00 G	2.28 G	3.70 G	3.20	3.20 G	2.21	2.92 G	2.12	1.91 G	2.43
10	G 3.00	2.28	1.80 G	2.20 G	3.60 G	3.28	3.01 G	2.35 G	2.90 G	2.19	2.20	2.10
11	3.09	2.24	2.18 G	2.20	3.59 G	3.50	2.80 G	2.33 G	2.92 G	2.20	2.15	2.50
12	2.69	2.32 G	2.30 G	2.10	3.55	3.60	2.70 G	2.40 G	2.92 G	2.20	2.18 G	2.20
13	2.60	2.79	2.25 G	1.90	3.44	3.35	2.50 G	2.40 G	2.96 G	2.10	2.11 G	2.41
14	3.07	2.40 G	1.99 G	1.99	3.40	3.20	2.15 G	2.35 G	2.90 G	2.11 G	2.13	2.00
15	G 3.45	1.91 G	2.04 G	2.31	3.61	3.09	2.00 G	2.38 G	2.89 G	2.11 G	2.19	1.75
16	2.85	2.21 G	2.04 G	2.57	3.70	2.99	2.00 G	2.40 G	2.87 G	1.95 G	2.20	1.90
17	G 2.98	2.58 G	2.30	2.80	3.50	2.71	2.00 G	2.39 G	2.90 G	1.89 G	2.09	2.15
18	G 3.32	2.50	2.59	2.81	3.50	2.70	2.40 G	2.44 G	2.89 G	1.85 G	2.34	2.10
19	G 3.31	2.80	2.30	2.63	3.62	3.01	2.65	2.40 G	2.80 G	1.90 G	2.32 G	2.29
20	3.09	2.30	2.50	2.50	3.79	2.75 G	2.50	2.45	2.10 G	1.90 G	2.75 G	2.10
21	2.50	2.25	2.20	2.21	3.60	2.82 G	2.90	2.50 G	2.60 G	1.90	2.21 G	2.40
22	2.35	2.65 G	2.40	2.69	3.83	2.91 G	2.40	2.45 G	2.52 G	1.90 G	2.40 G	2.62
23	2.60	2.05	2.30	2.78 G	4.03	2.89	2.50	2.30 G	2.60 G	1.81 G	2.40 G	2.80
24	2.77	2.21	2.10	2.80 G	4.08	2.72	2.40 G	2.25 G	2.55 G	1.83	1.70	2.09
25	2.55	2.31	2.20 G	3.01	4.00	2.50	2.30 G	2.32	2.20 G	1.85	2.21	2.50
26	2.69	2.21 G	2.30 G	3.14	3.88	2.47	2.20	2.29	2.15 G	1.95 G	2.30	2.49
27	2.70	2.42 G	2.35 G	3.10	3.70	2.50	2.05 G	2.19	2.30 G	1.95 G	2.20	2.30
28	3.15 G	2.79 G	2.35 G	3.13	3.61	2.90	2.11 G	2.18 G	2.30 G	1.85 G	2.25	2.19
29	3.15	-----	2.89 G	3.20	3.60	2.70	1.80 G	2.15 G	2.30 G	1.89 G	2.30	1.81
30	3.25	-----	2.35	3.30	3.51	2.50	1.80 G	2.18 G	2.24 G	2.10 G	2.30	2.12
31	2.45	-----	2.02	-----	3.72	-----	2.23 G	2.20	-----	2.35	-----	2.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.70	2.45	2.31	2.48	3.53	2.95	2.44	2.28	2.63	2.05	2.24	2.24
MAX	3.45	3.04	3.09	3.30	4.08	3.60	3.20	2.50	2.99	2.40	2.75	2.80
MIN	1.75	1.91	1.80	1.90	2.70	2.47	1.80	2.10	2.10	1.77	1.70	1.75
DAYS	31	30	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.52.

HIGHEST STAGE WAS 4.09 AT 5:30 P.M. ON MAY 24.

LOWEST STAGE WAS 1.41 ON DEC 4.

## DAILY STAGE FOR 1991

INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (EAST AUTO.)

LOCATION. LAT. 29-47-00, LONG. 92-11-40. ON NORTHEAST LOCKWALL OF STRUCTURE. (STA. 7672013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. NOV. 8, 1932 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 2.90 FEET ON DEC. 23, 1969.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 2.20	2.50	3.30 G	1.70	3.20	3.20	2.20 G	1.70 G	3.55 G	2.75 G	2.60 G	2.55
2	G 3.00	2.70	3.00 G	2.50	2.85	2.70	2.29 G	2.75 G	3.60 G	3.15	1.50 G	2.45
3	G 2.30	2.00	2.00 G	2.00	3.20	2.30	2.60 G	2.75 G	3.75 G	3.00	1.70 G	1.20
4	G 2.10	1.80	0.90 G	1.90	3.00	1.95	2.50 G	2.85 G	3.75 G	3.00 G	1.20 G	0.60
5	2.30	2.60	1.70 G	2.10	2.85	1.80	2.70 G	2.95 G	3.90 G	2.65 G	2.05 G	2.00
6	2.00	1.90	1.90 G	2.40 G	1.70	1.85 G	3.95 G	2.85 G	3.75 G	0.80 G	2.40 G	2.41
7	1.90	1.50	1.90 G	2.10	2.20 G	2.49	3.01 G	3.05 G	3.45 G	2.05 G	2.41 G	2.20
8	1.20	1.40	1.30 G	2.40	3.31 G	3.48	3.30 G	2.77 G	3.10 G	2.95 G	1.75 G	2.40
9	1.50	1.60	1.10 G	2.20	3.95 G	4.20	3.26 G	2.60	3.05 G	2.69 G	1.20 G	2.40
10	3.10	1.70	0.90 G	3.30	3.60 G	4.40	3.11 G	2.00 G	3.40 G	2.30 G	1.95 G	1.95
11	3.30	1.60	1.70 G	3.80	3.52 G	3.90	2.55 G	1.70 G	3.29 G	2.05 G	1.80 G	2.40
12	1.90	1.90	2.10 G	4.10	3.50 G	3.52	2.25 G	1.90 G	3.40 G	2.35 G	2.41 G	2.20
13	1.90	1.80	1.85 G	4.10	3.50	3.10	1.90 G	1.80 G	3.37 G	2.30 G	2.00 G	2.55
14	2.70	2.00	1.60 G	3.20	3.70	2.75	1.50 G	2.30 G	3.25 G	2.32 G	2.90 G	1.65
15	3.70	1.00	2.39 G	3.40	3.70	2.45	1.40 G	3.30 G	3.50 G	2.00 G	2.70 G	1.00
16	1.80	1.90	3.30	3.40	3.70	2.50	1.70 G	2.60 G	3.30 G	2.50 G	2.50 G	1.30
17	2.50 G	3.40 G	3.90	2.50	3.10	2.20	1.70 G	3.02 G	3.10 G	2.90 G	2.70 G	1.80
18	3.30 G	2.90	2.59	2.50	3.10	2.10	2.33 G	2.90 G	3.20 G	2.68 G	2.90 G	1.60
19	3.30 G	2.96	2.50	2.10	3.10	2.25 G	2.65	2.40 G	3.25 G	2.15 G	2.70 G	2.45
20	2.40	1.75	1.70	2.10	3.10	2.45 G	2.85	2.57 G	1.89 G	2.35 G	2.75 G	3.45
21	1.40	1.70 G	2.50	1.60	3.00	2.80 G	3.05 G	2.70 G	2.70 G	2.10 G	2.30 G	3.45
22	1.30	1.90	1.50	2.30	3.69	3.05 G	3.10 G	2.60	3.00 G	2.80 G	2.70 G	2.62
23	1.80	1.10	1.30	2.50 G	3.85	3.00 G	3.10 G	2.70	3.01 G	2.80 G	2.70	2.80
24	2.00	1.60	1.80	2.65 G	3.78	2.88 G	2.60 G	2.68	2.70 G	3.40 G	0.85 G	1.55
25	1.90	1.75	2.40 G	3.65	3.95	2.68 G	2.35 G	2.65	2.00 G	3.70 G	2.20 G	2.50
26	2.00	1.00	2.40 G	3.70	3.75	2.50 G	2.30 G	2.55	2.20 G	3.80 G	3.10 G	2.45
27	2.00	2.20	3.50 G	4.80	3.61 G	2.55 G	2.10 G	2.75	2.40 G	4.00 G	3.15 G	2.05
28	2.70	2.90	3.20 G	4.60	3.70 G	3.00 G	2.02 G	2.60 G	2.40 G	4.70 G	2.65 G	1.60
29	2.80	----- G	3.70	3.90	3.57	2.69 G	1.65 G	2.70 G	2.75 G	4.00 G	2.62 G	1.10
30	3.10	----- G	0.90	3.39	3.50	2.50 G	1.20 G	2.55 G	2.40 G	4.50 G	2.50 G	1.75
31	2.10	----- G	1.50	-----	3.62	----- G	1.85 G	3.40	----- G	4.20	----- G	1.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.31	1.97	2.14	2.90	3.35	2.77	2.42	2.60	3.08	2.87	2.30	2.08
MAX	3.70	3.40	3.90	4.80	3.95	4.40	3.95	3.40	3.90	4.70	3.15	3.45
MIN	1.20	1.00	0.90	1.60	1.70	1.80	1.20	1.70	1.89	0.80	0.85	0.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.57.

HIGHEST STAGE WAS 5.10 AT 2:30 A.M. ON APR 27 AND LATER DATE(S).

LOWEST STAGE WAS 0.14 ON NOV 24.

## DAILY STAGE FOR 1991

## INTRACOASTAL WATERWAY AT LELAND BONMAN LOCK (LA.) (EAST STAFF)

LOCATION. LAT. 29-47-00, LONG. 92-11-44. ON EAST LOCKWALL OF STRUCTURE. (STA. 7676013.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. SEP. 25, 1933 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. (FROM 1946 TO DATE) HIGHEST, 8.90 FEET (FROM HIGH WATER MARK) ON JUNE 27, 1957. LOWEST, MINUS 0.90 FEET ON JAN. 11, 1962.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 2.20	2.50	3.30 G	1.60	3.00	2.75	1.90 G	2.80 G	3.70 G	3.30 G	2.60 G	2.40
2	G 3.00	2.70	3.00 G	2.50	2.80	2.40	1.90 G	2.70 G	3.60 G	3.60	1.50 G	2.30
3	G 2.30	2.00	2.00 G	2.00	3.00	2.40	2.00 G	2.80 G	3.80 G	3.70	1.70 G	1.10
4	G 2.10	1.80	0.90 G	1.90	3.10	2.00	2.40 G	3.10 G	3.70 G	3.30 G	1.20 G	1.40
5	2.50	2.60	1.70 G	2.10	3.00	1.80	2.30 G	2.80 G	3.90 G	3.20 G	2.40 G	2.00
6	2.00	1.90	1.90 G	2.40 G	1.90	2.00 G	4.20 G	2.90 G	4.00 G	1.10 G	2.60 G	2.40
7	1.90	1.50	1.50 G	2.10	2.00 G	3.50	3.00 G	2.90 G	3.50 G	2.50 G	2.60 G	2.30
8	1.20	1.40	1.30 G	2.40	3.50 G	3.90	3.30 G	2.90 G	3.10 G	3.30 G	1.70 G	2.50
9	1.50	1.60	1.10 G	2.20	3.70 G	4.20	3.20 G	2.80	2.90 G	3.00 G	0.50 G	2.50
10	3.10	1.70	0.90 G	3.30	3.80 G	4.40	3.00 G	2.10 G	3.40 G	2.70 G	2.30 G	1.50
11	3.30	1.60	1.70 G	3.80	3.60 G	4.00	2.60 G	1.60 G	3.30 G	2.30 G	1.80 G	1.50
12	1.90	1.90	2.20 G	4.10	3.50 G	3.70	2.40 G	1.80 G	3.50 G	2.60 G	2.40 G	2.50
13	1.90	1.80	1.90 G	4.10	3.40	3.10	2.00 G	1.70 G	3.30 G	2.60 G	2.00 G	2.50
14	2.70	2.00	1.40 G	3.20	3.20	2.70	1.60 G	2.30 G	3.30 G	2.60 G	2.90 G	1.80
15	3.70	1.00	2.40 G	3.40	3.60	2.50	1.60 G	3.00 G	3.50 G	2.40 G	2.70 G	1.00
16	1.80	1.90	3.20	3.40	3.50	2.50	1.70 G	2.50 G	3.20 G	2.60 G	2.50 G	1.00
17	2.50 G	3.40 G	4.00	2.50	2.90	2.10	1.90 G	3.10 G	3.30 G	3.00 G	2.70 G	1.80
18	3.30 G	2.90	2.00	2.50	2.80	2.00	2.40 G	3.20 G	3.20 G	2.70 G	2.90 G	1.80
19	3.30 G	2.80	2.50	2.10	2.90	2.20 G	2.60	2.30 G	3.20 G	2.40 G	2.70 G	2.50
20	2.40	1.90	1.70	2.10	3.20	2.70 G	2.90	2.30 G	1.70 G	2.40 G	2.80 G	3.50
21	1.40	1.90 G	2.50	1.60	2.80	2.70 G	2.90 G	2.40 G	2.70 G	2.70 G	2.00 G	3.60
22	1.30	2.10	1.50	2.30	3.70	3.00 G	2.80 G	2.40	3.00 G	2.80 G	2.50 G	2.80
23	1.80	1.00	1.30	2.50 G	4.10	2.80 G	2.80 G	2.30	3.00 G	2.80 G	2.50	3.00
24	2.00	1.60	1.80	2.70 G	4.30	2.70 G	2.50	2.70	3.20 G	3.40 G	0.10 G	1.80
25	1.90	1.90	2.40 G	3.70 G	4.00	2.30 G	2.50 G	2.40	3.30 G	3.70 G	2.00 G	2.40
26	2.00	1.00	3.70 G	3.80	3.70	2.20 G	2.10 G	2.70	2.00 G	3.80 G	2.90 G	2.20
27	2.00	2.20	2.50 G	4.80	3.60 G	2.80 G	1.80 G	2.60	2.30 G	4.00 G	2.90 G	2.00
28	2.70	2.90	3.40 G	4.50	3.40 G	2.70 G	1.50 G	2.70 G	3.00 G	4.70 G	2.40 G	1.60
29	2.80	----- G	0.50	3.30	3.20	2.50 G	1.10 G	2.70 G	3.00 G	4.00 G	2.45 G	1.10
30	3.10	----- G	1.00	3.30	3.30	2.50 G	1.50 G	2.40 G	3.50 G	4.50 G	2.35 G	1.90
31	2.10	----- G	1.00	-----	3.50	----- G	1.70 G	3.50	----- G	4.20	----- G	1.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.31	1.98	2.01	2.87	3.29	2.77	2.33	2.59	3.20	3.09	2.22	2.08
MAX	3.70	3.40	4.00	4.80	4.30	4.40	4.20	3.50	4.00	4.70	2.90	3.60
MIN	1.20	1.00	0.50	1.60	1.90	1.80	1.10	1.60	1.70	1.10	0.10	1.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.57.

HIGHEST STAGE WAS 4.80 ON APR 27.

LOWEST STAGE WAS 0.10 ON NOV 24.

## DAILY STAGE FOR 1991

## INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (WEST)

LOCATION. LAT. 29-47-05, LONG. 92-11-53. ON WEST LOCKWALL OF STRUCTURE. (STA. 7680013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. SEP. 25, 1933 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 1.00 FOOT ON DEC. 24, 1966.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 2.20	2.60	2.90 G	2.10	3.20	3.45	2.00 G	2.20 G	2.45 G	2.25 G	2.80	2.40
2	G 2.30	2.80	3.00 G	3.00	2.90	3.04	2.32 G	2.20 G	2.50 G	2.30	1.70	2.40
3	G 2.30	2.20	2.30 G	2.10	3.10	2.73	2.35 G	2.24 G	2.51 G	2.30	1.90	2.55
4	G 2.40	2.00	1.20 G	2.20	3.20	2.40	2.40 G	2.20 G	2.70 G	2.40 G	1.50	1.90
5	2.60	2.80	2.70 G	2.15	3.10	2.22	2.60 G	2.30 G	2.75 G	2.00 G	2.60	2.40
6	2.65	2.10	3.00 G	2.15 G	2.10	2.28 G	3.10 G	2.30 G	2.85 G	2.15 G	2.60	2.45
7	2.10	2.00	1.70 G	2.15	2.48 G	3.40	3.20 G	2.30 G	3.00 G	2.30 G	2.60	2.25
8	1.40	2.00	1.50 G	2.15	3.46 G	3.42	3.30 G	2.30 G	3.05 G	2.15 G	2.60	2.50
9	1.60	2.00	2.50 G	2.20	3.90 G	3.33	3.30 G	2.40	2.98 G	2.15 G	2.70	2.50
10	3.20	2.10	2.40 G	2.25	3.55 G	3.35	3.10 G	2.30 G	3.00 G	2.20 G	2.60	2.40
11	3.40	1.90	2.40 G	2.30	3.57 G	3.70	2.70 G	2.30 G	3.10 G	2.25 G	2.60	2.50
12	2.10	2.20	2.40 G	2.20	3.49 G	3.79	2.50 G	2.30 G	3.00 G	2.25 G	2.50	2.50
13	2.10	1.90	2.50 G	2.20	3.40	3.50	2.10 G	2.40 G	3.00 G	2.15 G	2.40	2.50
14	2.80	2.20	2.30 G	2.35	3.13	3.30	1.70 G	2.42 G	3.00 G	2.14 G	2.30	1.90
15	3.60	1.70	2.00 G	2.65	3.40	2.95	1.80 G	2.45 G	3.00 G	2.10 G	2.30	2.30
16	2.10	2.10	2.20	2.75	3.45	2.75	2.05 G	2.50 G	2.90 G	2.00 G	2.50	2.30
17	2.70 G	2.40 G	2.30	2.80	3.15	2.55	1.90 G	2.55 G	2.89 G	2.00 G	2.30	2.60
18	3.40 G	2.50	2.40	2.75	3.15	2.35	2.30 G	2.55 G	2.85 G	1.95 G	2.30	2.60
19	3.40	2.50	3.20	2.50	3.28	2.40 G	2.55	2.50 G	2.90 G	2.00 G	2.40	2.43
20	2.50	2.10	2.50	2.35	3.70	2.60 G	2.65	2.55 G	2.20 G	1.95 G	2.60	2.30
21	1.80	1.70 G	2.40	2.05	3.25	2.90 G	2.55	2.66 G	2.64 G	1.95 G	2.00	2.70
22	1.70	2.30	2.30	2.60	3.74	3.00 G	2.50	2.66	2.60 G	2.00 G	2.50	2.60
23	2.20	1.30	2.60	2.59 G	4.00	2.90 G	2.45	2.48	2.60 G	1.80 G	2.50	2.90
24	2.20	1.85	2.60	2.69	4.09	2.71 G	2.40	2.48	2.60 G	2.00 G	2.20	1.90
25	2.10	2.10	2.40	3.08	4.02	2.40 G	2.35 G	2.45	1.90 G	1.90 G	2.40	2.45
26	2.20	2.70	2.24 G	3.39	3.80	2.30 G	2.30 G	2.30	2.10 G	2.00	2.40	2.50
27	2.20	2.25	2.28 G	3.60	3.60 G	2.70 G	2.10 G	2.15	2.45 G	2.10	2.30	2.50
28	2.90	2.80	2.33 G	3.57	3.60 G	2.70 G	2.20 G	2.22 G	2.35 G	2.00	2.40	2.50
29	2.90	----- G	2.59	3.62	3.55	2.70 G	2.00 G	2.20 G	2.40 G	2.10	2.40	2.30
30	3.33	----- G	2.74	3.40	3.50	2.60 G	2.00 G	2.24 G	2.40 G	2.40	2.40	2.20
31	2.30	----- G	2.15	-----	3.82	-----	2.10 G	2.20	----- G	2.80	-----	2.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.47	2.18	2.39	2.60	3.41	2.88	2.42	2.36	2.69	2.13	2.38	2.40
MAX	3.60	2.80	3.20	3.62	4.09	3.79	3.30	2.66	3.10	2.80	2.80	2.90
MIN	1.40	1.30	1.20	2.05	2.10	2.22	1.70	2.15	1.90	1.80	1.50	1.90
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAY FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.53.

HIGHEST STAGE WAS 4.13 AT 9:00 A.M. ON MAY 24.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.00 ON NOV 24.

## DAILY STAGE FOR 1991

## INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (EAST)

LOCATION. LAT. 30-05-14, LONG. 93-17-28. NEAR EAST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7688021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1, 1951 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 6.60 FEET (CAUSED BY HURRICANE) ON JUNE 28, 1957. LOWEST, MINUS 0.4 FOOT FROM JULY 8 TO 10, 1951.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.80	3.50	3.61	2.90	4.01	4.30	3.40	2.85	3.20	3.15	3.35	2.78
2	2.80	3.30	3.63	2.95	4.05	4.10	3.45	2.80	3.25	3.10	3.45	2.93
3	3.30	3.40	3.20	3.00	4.19	3.30	3.38	2.85	3.35	3.05	3.40	
4	3.10	3.06	3.31	3.20	4.00	4.80	3.40	2.85	3.50	3.15	3.30	
5	3.30	3.60	3.30	3.00	4.09	3.75	3.40	2.85	3.50	3.10	3.30	2.78
6	3.30	3.50	3.25	3.10	3.55	3.60	3.55	2.90	3.55	3.00	3.30	3.03
7	3.30	4.00	3.45	3.00	3.60	3.82	3.68	2.85	3.62	2.95	3.40	2.96
8	2.70	3.10	3.30	3.05	4.00	4.15	3.68	2.95	3.65	2.95	3.00	3.12
9	2.80	3.20	2.80	2.97	4.18	4.20	3.80	2.90	3.63	2.95	3.30	3.07
10	3.90	3.00	3.20	2.85	4.40	4.40	3.69	2.85	3.70	2.87	3.10	2.74
11	4.20	3.10	3.00	3.20	4.46	4.49	3.65	2.90	3.80	2.80	3.10	3.05
12	3.70	3.00	3.30	3.55	4.42	4.48	3.59	3.00	3.70	2.80	2.96	3.13
13	3.80	3.30	2.85	3.70	4.40	4.20	3.45	3.10	3.70	2.80		3.19
14	3.90	3.05	2.90	3.60	4.48	4.00	3.25	3.10	3.70	2.82	2.87	2.85
15	4.35	2.80	3.00	3.90	4.85	3.80	3.10	3.20	3.65	2.80	2.97	2.97
16	3.80	3.15	3.20	3.85	4.72	3.67	3.00	3.15	3.68	2.70	2.89	2.92
17	3.80	3.45	3.40	3.85	4.70	3.50	3.30	3.25	3.59	2.75	2.98	3.11
18	4.00	3.35	3.15	3.84	4.55	3.60	3.30	3.15	3.51	2.80	3.39	3.04
19	4.40	3.40	3.20	3.70	4.49	3.65	3.21	3.05	3.49	2.75	3.20	3.15
20	4.00	3.20	3.25	3.50	4.55	3.60	3.30	3.10	3.35	2.70	3.08	3.69
21	3.60	2.95	3.35	3.40	4.59	3.59	3.31	3.10	3.21	2.65	3.17	3.57
22	3.50	2.85	3.50	3.60	4.60	3.62	3.29	3.10	3.30	2.75	3.23	3.59
23	3.40	3.30	3.10	3.70	4.80	3.60	3.25	3.05	3.30	2.75		3.37
24	3.70	2.90	3.00	3.70	4.76	3.51	3.00	3.10	3.40	2.85		2.94
25	3.50	3.15	3.20	3.77	4.70	3.50	3.05	3.00	3.15	2.90		3.10
26	3.60	3.00	3.30	3.75	4.55	3.40	3.04	3.00	3.15	2.85		2.97
27	3.60	3.35	3.45	4.15	4.47	3.46	3.05	3.00	3.25	2.90	3.10	2.99
28	3.80	3.25	3.25	4.07	4.45	3.55	3.00	2.95	3.10	3.00	2.97	2.81
29	3.80	-----	3.10	4.20	4.35	3.55	2.89	2.95	3.10	3.10	2.91	2.86
30	4.00	-----	3.00	4.00	4.50	3.53	2.80	2.85	3.15	3.45	2.86	2.82
31	3.40	-----	2.90	-----	4.50	-----	2.83	3.00	-----	3.50	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.59	3.22	3.21	3.50	4.39	3.82	3.29	2.99	3.44	2.93	3.14	3.05
MAX	4.40	4.00	3.63	4.20	4.85	4.80	3.80	3.25	3.80	3.50	3.45	3.69
MIN	2.70	2.80	2.80	2.85	3.55	3.30	2.80	2.80	3.10	2.65	2.86	2.74
DAYS	31	28	31	30	31	30	31	31	30	31	25	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 357  
 THE MEAN STAGE FOR THE YEAR WAS 3.39.  
 HIGHEST STAGE WAS 4.98 AT 6:30 A.M. ON MAY 17.  
 LOWEST STAGE WAS 2.38 ON MAR 13.

## DAILY STAGE FOR 1991

## INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (WEST STAFF)

LOCATION. LAT. 30-05-19, LONG. 93-17-40. NEAR WEST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7692021.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. MAR. 6, 1951 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 9.0 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.00 FEET ON DEC. 23, 1969.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.90	3.20	4.10	2.70	3.70	4.00	2.80	2.70	3.80	2.90	3.50	3.10
2	3.40	3.20	3.70	2.90	3.80	3.70	3.10	3.00	3.70	4.10	2.60	3.00
3	3.30	3.20	2.90	2.80	3.70	3.30	3.00	3.30	3.90	3.90	2.80	2.80
4	3.10	2.70	1.70	2.80	3.40	3.20	2.90	3.40	3.80	4.00	2.50	2.00
5	3.20	3.00	2.30	2.60	3.70	3.00	3.10	3.30	4.00	3.90	3.20	3.00
6	3.20	2.50	2.50	2.90	2.70	3.00	3.60	3.30	4.10	2.60	3.30	3.25
7	2.50	2.10	2.20	2.80	3.00	3.50	3.80	3.20	3.80	3.40	3.60	3.20
8	2.20	1.80	1.90	3.30	3.70	4.70	3.70	3.30	3.60	3.90	2.70	3.20
9	2.60	2.30	1.90	3.20	4.00	4.30	3.60	3.00	3.50	3.71	2.40	3.20
10	3.80	2.20	2.00	2.90	4.40	5.00	3.50	2.80	3.90	3.50	3.10	2.70
11	4.00	2.20	2.70	3.90	4.40	4.45	3.40	2.50	3.80	3.20	2.90	3.30
12	3.20	2.50	3.00	4.20	4.60	4.30	3.00	2.60	4.00	3.30	3.00	3.10
13	3.30	3.20	2.80	4.30	4.40	4.00	2.10	2.50	4.05	3.20	2.90	3.30
14	3.50	2.60	2.50	4.30	4.20	3.80	2.50	2.80	4.00	3.30	3.30	2.90
15	4.35	2.60	3.00	3.80	4.70	3.50	2.40	3.40	4.10	2.90	3.30	2.70
16	2.90	2.20	3.50	3.90	4.40	4.40	2.30	3.30	4.00	2.90	3.05	2.80
17	3.40	3.80	4.40	3.50	4.10	4.10	2.50	3.50	3.80	3.30	3.30	3.40
18	3.70	3.00	3.10	3.40	3.70	2.90	3.20	3.40	3.85	3.35	3.90	3.10
19	4.20	3.20	2.90	3.20	3.80	3.00	3.20	3.10	3.60	3.10	3.60	2.70
20	3.20	2.30	3.10	3.20	3.90	3.30	3.20	3.00	2.80	3.20	3.30	4.20
21	2.30	1.70	2.80	2.90	4.20	3.40	3.40	3.00	3.40	3.30	2.80	4.40
22	2.00	2.30	3.00	3.20	4.10	3.60	3.10	3.00	3.50	3.40	3.30	3.60
23	2.50	1.00	2.40	3.35	5.00	3.40	3.40	2.90	3.50	3.40	3.20	3.90
24	3.20	2.10	1.80	3.50	4.90	3.30	3.10	2.80	3.60	3.40	2.20	2.65
25	2.70	2.60	2.50	4.05	4.60	3.20	2.95	3.00	2.70	4.10	2.80	2.90
26	2.90	2.20	3.10	4.00	4.40	2.90	2.70	2.70	3.00	4.10	3.20	3.00
27	3.00	2.90	3.80	4.90	4.20	2.80	2.70	3.00	3.10	4.30	3.40	2.90
28	3.50	3.30	3.80	4.60	4.00	3.30	2.60	2.90	3.40	4.50	3.10	2.70
29	3.50	-----	3.60	4.50	4.40	2.90	2.40	3.10	3.90	4.20	3.00	2.60
30	3.80	-----	2.30	3.70	4.10	3.10	2.30	3.00	3.80	4.10	3.10	2.70
31	2.80	-----	2.60	-----	4.00	-----	2.50	3.70	-----	4.20	-----	2.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.17	2.57	2.84	3.51	4.07	3.58	2.97	3.05	3.67	3.57	3.08	3.05
MAX	4.35	3.80	4.40	4.90	5.00	5.00	3.80	3.70	4.10	4.50	3.90	4.40
MIN	2.00	1.00	1.70	2.60	2.70	2.80	2.10	2.50	2.70	2.60	2.20	2.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 3.26.

HIGHEST STAGE WAS 5.00 ON MAY 23 AND LATER DATE(S).

LOWEST STAGE WAS 1.00 ON FEB 23.

## DAILY STAGE FOR 1991

INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (WEST AUTO.)

LOCATION. LAT. 30-05-19, LONG. 93-17-40. AT WEST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7696021.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. JAN. 1, 1951 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 8.80 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.32 FEET ON FEB. 28, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		3.20	3.80	2.79	3.90	4.30	3.20	2.89	3.89	3.72	3.30	
2		3.39	3.63	2.85	3.87	4.00	3.30	3.10	3.70	4.20	2.50	
3	3.40	3.05 F	2.85	3.20	4.00	3.60	3.20	3.26	3.87	3.90	2.70	
4	3.00	2.70		3.27	3.60	3.60	3.15	3.30	3.80	3.91	2.25	
5	3.27	3.15 F	2.80	3.00	3.60	3.10	3.38	3.30	4.10	3.65	2.95	
6	3.06	2.52	2.72	2.93	2.50	3.00	3.51	3.20	4.08	2.71	3.08	
7	2.45	2.10	2.21	3.10	2.80	3.65	3.80	3.41	4.00	3.47	3.30	
8	2.32	1.80	1.89	3.20	3.70	4.53	3.72	3.30	3.70	3.75	2.35	
9	2.50	1.90	1.85	2.98	3.97	4.60	3.85	3.10	3.60	3.60	2.40	
10	3.81	2.03	1.97	2.81	4.40	5.00	3.65	2.90	3.89	3.40	3.00	
11	3.71	1.90	2.50	3.79	4.33	4.76	3.62	2.64	3.85	3.20	2.70	
12	2.76	2.20	2.80	4.30	4.52		3.48	2.75	4.02	3.35	2.90	
13	2.90	2.88	2.60	4.50	4.55		3.40	2.60	3.95	3.10		
14	3.20	2.50	2.29	4.52	4.56		3.15	3.14	3.93	3.30		
15	4.22	2.15	2.82	4.30	4.50		2.70	3.50	4.07	2.91		
16	2.98	2.40	3.85	4.10	4.50		2.55	3.15	3.83	2.85		
17	3.35	3.71	4.41	3.91 F	4.50		2.80	3.45	3.59	3.38		
18	3.90	3.40	3.20	3.85	4.00	3.00	2.90	3.30	3.85	3.28		
19	4.20	3.48	3.20	3.50	3.90	3.10	3.10	3.10	3.49	3.00		
20	3.60	2.29	3.52	2.96	3.90	3.20	3.20	3.08	2.92	3.05		
21	2.39	2.19	2.90 F	2.90	3.72	3.37	3.30	3.20	3.43	3.00		
22	2.52	2.01	2.90	3.20	4.25	3.54	3.40	3.06	3.55	3.20		
23	2.79	0.92	2.45	3.28	5.00	3.50	3.40	3.12	3.49	3.62		
24	2.97	2.00	2.05	3.44	5.15	3.49	3.30	3.11	3.70	3.90		
25	2.60	2.21	2.50	4.09	4.82	3.40	3.15	3.00	2.76	3.80		
26	2.74	2.00	3.00	4.12	4.56	3.35	3.00	2.95	3.25	3.90		
27	2.75	2.69	3.62	4.19	4.42	3.49	2.86	3.40	3.23	4.15		
28	3.15	3.10	3.50	4.42	4.48	3.50	3.00	3.10 F	3.50	4.05		
29	3.25	-----	3.47	4.53	4.30	3.40	2.65	3.28	3.85	4.10		
30	3.70	-----	2.30	3.90	4.50	3.49	2.71	3.25	3.90	4.00		
31	2.56	-----	2.70	-----	4.60	-----	2.82	3.80	-----	4.26	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.10	2.50	2.88	3.60	4.17	3.67	3.20	3.15	3.69	3.54	2.79	
MAX	4.22	3.71	4.41	4.53	5.15	5.00	3.85	3.80	4.10	4.26	3.30	
MIN	2.32	0.92	1.85	2.79	2.50	3.00	2.55	2.60	2.76	2.71	2.25	
DAYS	29	28	30	30	31	24	31	31	30	31	12	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 305

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.33.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 5.35 AT 11:00 A.M. ON MAY 24.

LOWEST STAGE WAS 0.92 ON FEB 23.

DAILY STAGE FOR 1991  
DELCAMBRE CANAL AT DELCAMBRE, LA.

LOCATION. LAT. 29-56-55, LONG. 91-58-58. ON RIGHT BANK WHARF 800 FEET DOWNSTREAM FROM STATE HIGHWAY 14 BRIDGE. (STA. 7950013.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. THE GAGE HAS BEEN LOCATED AT THE PRESENT SITE SINCE JUNE 4, 1963.

RECORDS AVAILABLE. JAN. 1948 TO DATE.

EXTREMES. HIGHEST, 7.0 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 3.2 FEET ON NOV. 17, 1951.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.8	1.4	2.8	0.4	2.0	2.2	1.0	0.8	2.8	2.4	2.8	2.2
2	2.4	1.2	2.4	1.0	2.0	2.0	0.8	2.2	2.8	2.8	0.2	2.2
3	1.8	1.4	1.0	1.6	2.4	1.2	1.0	2.2	2.6	2.8	0.6	1.0
4	1.2	1.2	0.2	1.6	2.6	1.2	1.8	2.2	2.6	2.6	-0.6	0.2
5	2.0	2.4	0.8	1.0	2.6	1.0	2.0	2.2	2.6	2.6	1.6	1.6
6	1.6	1.6	1.4	1.4	1.6	1.2	3.2	1.6	2.8	0.2	2.2	2.4
7	1.2	1.0	0.6	1.6	1.4	2.2	2.6	1.8	2.4	1.0	2.2	1.6
8	1.0	0.6	0.8	2.2	3.2	3.0	2.6	1.4	2.4	2.4	1.2	2.0
9	1.0	0.4	0.6	2.2	2.8	3.0	2.0	1.4	2.0	2.4	0.2	2.2
10	3.2	0.2	0.4	1.8	3.2	3.0	1.8	1.2	2.2	2.0	1.6	1.0
11	3.2	1.0	1.6	2.4	2.8	2.8	1.4	1.0	2.6	1.8	1.4	2.0
12	1.2	1.4	2.0	3.0	2.8	2.6	1.0	0.8	2.8	2.0	1.6	2.0
13	0.4	2.4	1.8	3.0	2.2	2.0	1.0	0.8	2.8	2.2	1.6	2.2
14	2.2	1.6	1.0	3.2	2.0	1.8	0.8	1.4	2.8	2.2	2.0	1.4
15	3.0	0.2	1.2	2.8	2.8	1.8	0.8	2.0	3.0	1.8	2.2	0.8
16	1.4	0.6	2.0	1.4	2.4	1.8	0.8	2.0	2.6	2.0	2.2	0.2
17	1.6	2.8	3.2	1.6	2.2	1.4	1.0	2.4	2.6	1.8	2.2	1.4
18	2.6	2.0	1.6	2.0	2.2	1.6	1.8	2.2	2.4	2.2	2.4	1.2
19	2.6	2.0	1.0	1.6	2.2	1.6	2.2	1.4	2.2	2.0	2.6	1.6
20	1.4	2.0	1.6	1.4	2.8	2.0	2.0	1.0	0.4	2.0	2.8	3.0
21	0.2	1.2	1.4	0.4	2.2	2.2	2.2	1.4	1.2	1.8	1.0	3.0
22	0.4	1.8	2.4	1.8	2.8	2.2	1.8	1.4	2.2	2.0	2.2	2.2
23	1.2	0.4	1.8	2.4	3.0	2.0	1.8	1.0	2.0	2.2	2.0	2.8
24	1.0	0.6	0.4	2.0	3.4	1.6	1.2	1.6	2.2	3.0	0.2	1.0
25	1.8	1.4	1.6	2.8	3.0	1.4	1.2	1.6	0.2	3.0	1.0	1.6
26	1.4	0.2	2.2	2.6	3.0	1.0	1.0	1.2	0.4	3.0	2.2	1.4
27	1.6	1.6	3.2	4.2	2.4	1.0	1.0	1.8	1.6	3.2	2.4	1.6
28	2.6	2.2	2.8	3.6	2.2	1.8	0.8	1.8	2.0	3.6	1.8	1.2
29	2.4	-----	2.8	3.8	2.2	1.6	1.0	1.8	2.6	3.6	2.2	0.2
30	2.6	-----	0.2	2.4	2.2	1.4	0.8	1.8	2.4	4.0	2.4	1.6
31	1.0	-----	0.8	-----	2.6	-----	0.8	2.6	-----	3.2	-----	1.4

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.7	1.3	1.5	2.1	2.5	1.9	1.5	1.6	2.2	2.4	1.7	1.6
MAX	3.2	2.8	3.2	4.2	3.4	3.0	3.2	2.6	3.0	4.0	2.8	3.0
MIN	0.2	0.2	0.2	0.4	1.4	1.0	0.8	0.8	0.2	0.2	-0.6	0.2
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.8.

HIGHEST STAGE WAS 4.2 ON APR 27.

LOWEST STAGE WAS MINUS 1.0 ON FEB 15.

## DAILY STAGE FOR 1991

## BAYOU LAFOURCHE AT GOLDEN MEADOW FLOODGATE (NORTH) (LA.)

LOCATION. LAT. 29-20-33, LONG. 90-14-44. APPROXIMATELY TWO MILES SOUTH OF GOLDEN MEADOW LA. ON THE UPSTREAM SIDE OF FLOODGATE. (STA. 8225007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 13, 1986 TO DATE.

EXTREMES. HIGHEST, 2.57 FEET ON NOV. 25, 1986. LOWEST, MINUS 1.08 FEET ON JAN. 28, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.68	0.90	0.94	0.28	1.73	1.32	0.86	1.08	1.90	1.61	1.97	0.96
2	0.84	0.87	1.40	0.34	1.36	1.25	0.88	1.27	1.89	1.82	1.53	0.92
3	0.84	0.58	1.12	0.47	1.36	1.05	0.95	1.26	1.95	1.72	1.32	0.92
4	0.73	0.54	0.03	0.51	1.36	0.96	0.91	1.35	1.92	1.64	1.32	0.59
5	0.89	0.87	0.22	0.46	1.31	0.66	1.02	1.28	1.98	1.49	1.05	0.50
6	0.76	0.73	0.39	0.39	1.00	0.92	1.35	1.21	1.82	0.97	0.88	0.47
7	0.46	0.35	0.23	0.53	0.98	1.50	1.34	1.20	1.62	1.32	1.02	0.49
8	0.18	-0.13	0.42	0.79	1.65	1.91	1.35	1.15	1.28	1.34	0.82	0.68
9	0.07	-0.23	0.13	0.77	1.65	2.06	1.25	1.11	1.36	1.15	1.01	0.75
10	0.93	-0.27	-0.34	0.63	1.77	1.90	1.08	0.98	1.60	1.13	0.77	0.69
11	1.48	-0.20	-0.17	0.92	1.68	1.94	0.93	0.67	1.76	1.07	0.65	0.85
12	0.88	-0.08	0.15	1.33	1.65	1.80	0.77	0.46	1.65	1.07	0.80	0.87
13	0.35	0.27	0.65	1.47	1.57	1.51	0.60	0.52	1.63	1.01	0.73	1.02
14	0.54	0.44	0.51	1.70	1.49	1.37	0.51	0.84	1.59	1.10	1.06	0.58
15	0.92	0.05	0.49	1.58	1.65	1.18		1.01	1.66	1.06	1.11	0.51
16	0.89	-0.27	0.94	1.48	1.55	1.12		1.07	1.62	1.06	1.07	0.53
17	0.65	0.55	1.54	1.18	1.40	1.03		1.16	1.51	1.13	1.15	0.26
18	0.78	0.82	1.19	1.20	1.38	1.02		1.18	1.55	0.92	1.41	0.09
19	1.41	1.09	0.96	1.12	1.61	1.10		1.08	1.52	0.74	1.38	0.45
20	0.98	0.58	1.01	0.98	1.60	1.00		1.00	1.18	0.89	1.67	1.14
21	0.21	0.13	0.89	0.52	1.57	1.06		0.95	1.30	0.76	1.16	1.44
22	0.01	0.14	1.16	0.68	1.89	1.10	1.16	0.87	1.35	0.94	1.12	1.08
23	0.22	-0.64	0.84	0.92	2.02	1.11	1.08		1.35	1.21	1.06	1.25
24	0.91	-0.30	0.48	0.96	2.05	1.09	0.97	1.00	1.32	1.65	0.71	0.89
25	0.50	-0.16	0.49	1.62	1.94	1.01	0.89	0.96	1.16	1.69	0.71	0.87
26	0.66	-0.12	0.90	2.11	2.03	0.85	0.81	0.86	1.00	1.84	0.64	0.78
27	0.67	0.01	1.14	2.30	1.88	0.90	0.76	1.32	1.02	2.04	0.88	0.88
28	1.35	0.35	1.27	2.15	1.70	0.78	0.71	1.17	1.15	2.03	0.78	0.54
29	1.27	-----	1.64	2.14	1.57	0.85	0.71	1.17	1.44	2.00	0.95	0.23
30	1.51	-----	0.69	2.35	1.54	0.85	0.65	1.29	1.58	2.01	0.94	0.43
31	1.05	-----	0.42	-----	1.58	-----	0.90	1.57	-----	2.02	-----	0.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.77	0.25	0.70	1.13	1.60	1.21	0.93	1.07	1.52	1.37	1.06	0.71
MAX	1.51	1.09	1.64	2.35	2.05	2.06	1.35	1.57	1.98	2.04	1.97	1.44
MIN	0.01	-0.64	-0.34	0.28	0.98	0.66	0.51	0.46	1.00	0.74	0.64	0.09
DAYS	31	28	31	30	31	30	24	30	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 357  
 THE MEAN STAGE FOR THE YEAR WAS 1.03.  
 HIGHEST STAGE WAS 2.49 AT 8:00 A.M. ON APR 29.  
 LOWEST STAGE WAS MINUS 0.69 ON FEB 23.

## DAILY STAGE FOR 1991

## BAYOU LAFOURCHE AT GOLDEN MEADOW FLOODGATE (SOUTH) (LA.)

LOCATION. LAT. 29-20-30, LONG. 90-14-44. APPROXIMATELY TWO MILES SOUTH OF GOLDEN MEADOW LA. ON THE DOWNSTREAM SIDE OF FLOODGATE. (STA. 8226007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 13, 1986 TO DATE.

EXTREMES. HIGHEST, 3.05 FEET ON MAY. 22, 1991. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.01 FEET ON DEC. 25, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.70	0.70	0.77	0.24	1.75	1.45	1.05	1.23	1.71	1.74	2.10	0.85
2	0.82	0.66	1.19	0.28	1.43	1.40	1.09	1.30	1.70	2.05	0.78	0.77
3	0.83	0.44	0.95	0.59	1.43	1.21	1.15	1.28	1.76	1.90	0.79	0.67
4	0.69	0.43	-0.06	0.64	1.45	1.09	1.13	1.40	1.74	1.77	0.37	-0.33
5	0.82	0.74	0.11	0.59	1.37	0.77	1.24	1.37	1.79	1.55	0.57	-0.21
6	0.75	0.63	0.30	0.54	1.10	0.98	1.51	1.30	1.60	0.85	0.67	0.08
7	0.51	0.29	0.20	0.67	1.06	1.55	1.46	1.29	1.39	0.95	0.85	0.14
8	0.18	-0.09	0.37	0.95	1.71	1.93	1.45	1.24	1.00	1.06	0.60	0.41
9	0.14	-0.23	0.08	0.94	1.70	2.08	1.35	1.19	1.11	1.05	0.15	0.49
10	0.93	-0.23	-0.35	0.81	1.81	2.19	1.21	1.04	1.37	1.06	0.37	0.42
11	1.41	-0.16	-0.23	1.18	1.73	2.11	1.07	0.68	1.54	0.99	0.32	
12	0.86	-0.06	0.08	1.61	1.70	1.82	0.93	0.38	1.54	1.01	0.55	0.91
13	0.49	0.23	0.54	1.75	1.66	1.55	0.79	0.47	1.52	0.92	0.50	1.12
14	0.45	0.43	0.51	1.99	1.58	1.43	0.71	0.75	1.48	1.02	0.93	0.55
15	0.85	0.06	0.47	1.86	1.72	1.26	0.76	0.99	1.54	0.98	0.97	-0.15
16	0.79	-0.34	0.92	1.76	1.62	1.20	0.67	1.02	1.71	0.97	0.88	0.01
17	0.58	0.48	1.51	1.44	1.46	1.13	0.92	1.13	1.59	1.00	0.99	-0.07
18	0.70	0.72	1.18	1.46	1.49	1.08	1.08	1.16	1.63	0.73	1.33	-0.06
19	1.28	0.99	0.92	1.41	1.69	1.14	1.13	1.10	1.60	0.49	1.28	0.37
20	0.85	0.60	0.96	1.29	1.68	1.08	1.17	1.06	1.23	0.73	1.61	1.34
21	0.19	0.14	0.86	0.82	1.64	1.13	1.32	1.04	1.38	0.54	1.02	1.70
22	-0.08	0.15	1.12	1.00	2.37	1.22	1.35	0.93	1.43	0.77	0.96	1.23
23	0.11	-0.54	0.84	1.20	2.83	1.21	1.29		1.43	1.10	0.88	1.49
24	0.76	-0.27	0.47	1.22	2.61	1.21	1.15	0.77	1.41	1.67	-0.21	0.97
25	0.38	-0.15	0.50	1.91	2.27	1.13	1.07	0.74	1.27	1.79	0.06	0.80
26	0.54	-0.14	0.49	2.16	2.34	1.02	1.02	0.63	1.10	1.98	0.19	0.75
27	0.53	-0.08	1.09	2.45	2.03	1.07	0.91	1.10	1.12	2.22	0.65	0.96
28	1.17	0.23	1.05	2.31	1.81	0.95	0.89	0.93	1.27	2.62	0.54	0.46
29	1.13	-----	1.64	2.26	1.68	1.00	0.84	0.92	1.57	2.92	0.80	0.07
30	1.35	-----	0.67	2.42	1.66	1.03	0.75	1.07	1.71	2.74	0.80	0.28
31	0.92	-----	0.39	-----	1.69	-----	1.00	1.36	-----	2.54	-----	0.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.70	0.20	0.63	1.32	1.74	1.31	1.08	1.03	1.47	1.41	0.74	0.54
MAX	1.41	0.99	1.64	2.45	2.83	2.19	1.51	1.40	1.79	2.92	2.10	1.70
MIN	-0.08	-0.54	-0.35	0.24	1.06	0.77	0.67	0.38	1.00	0.49	-0.21	-0.33
DAYS	31	28	31	30	31	30	31	30	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363  
 THE MEAN STAGE FOR THE YEAR WAS 1.02.  
 HIGHEST STAGE WAS 3.05 AT 11:00 P.M. ON MAY 22.  
 LOWEST STAGE WAS MINUS 0.92 ON NOV 24.

## DAILY STAGE FOR 1991

## BAYOU BLUE NEAR CATFISH LAKE (LA.)

LOCATION. LAT. 29-23-31, LONG. 90-20-49. APPROXIMATELY 1.5 MILES NORTHWEST OF CATFISH LAKE.  
(STA. 8230107.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1976 GAGE REPORTED AS (STA. 8230007.).

RECORDS AVAILABLE. SEP. 17, 1975 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 3.75 FEET (CAUSED BY HURRICANE BABE) ON SEP. 6, 1977.  
LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.59 FOOT ON DEC. 25, 1983.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.49	1.18	1.57	0.89	2.60	2.18	F	1.75	2.34	2.00	3.02	1.75
2	1.55	1.30	2.05	0.95	2.27	2.09		2.01	2.36	2.17	1.93	1.79
3	1.55	1.17	1.87	1.24	2.09	1.97		1.99	2.44	2.30	1.70	1.85
4	1.29	1.15	1.03	1.29	2.11	1.94		2.05	2.33	2.27	1.23	1.06
5	1.48	1.57	1.05	1.31	2.10		1.97	2.00	2.40	2.23	1.40	0.92
6	1.49 F	1.49	1.35	1.25	2.12		2.22	1.91	2.40	1.55	1.57	1.10
7	1.46	1.17	1.30	1.37	1.94 F	1.94	2.26	1.84	2.30	1.32	1.73	1.17
8	1.03	0.95	1.37	1.71	2.05	2.09	2.16	1.80	2.06	1.60	1.65	1.35
9	1.00	0.79	0.89	1.96	2.30	2.22	2.02	1.85	2.00	1.70	1.10	1.42
10	1.40 F	0.99	0.55	1.87	2.49	2.40 F	1.94	1.80	2.11	1.79	1.31	1.30
11	1.78	0.99	0.85	1.85	2.37	2.55 F	1.95	1.52	2.27	1.85	1.32	1.38
12	1.80	1.00	1.20	2.11	2.31	2.50 F	1.95	1.36	2.39	1.90	1.48	1.49
13	1.42	1.20	1.66	2.26	2.22	2.36		1.35	2.40	1.85	1.45	1.69
14	1.39	1.49	1.62	2.52	2.17	2.18		1.56	2.37	1.86	1.70	1.54
15	1.64	1.23	1.13	2.45	2.31	2.06		1.65	2.38	1.89	1.74	0.45
16	1.82	0.49	1.23	2.35	2.28	2.06		1.77	2.33	1.65	1.75	0.68
17	1.45	1.31	1.93	2.16	2.18	2.05		1.83	2.21	1.66	1.83	0.80
18	1.40	1.53	1.87	2.12	2.17	1.94		1.98	2.23	1.52	2.06	1.04
19	1.40	1.75	1.60	2.18	2.24 F	1.94		1.85	2.16	1.35	2.15	0.97
20	1.64	1.63	1.63	2.12	2.25			1.72	1.57	1.58	2.48	1.44
21	1.15	0.95	1.60	1.68	2.19			1.63	1.72	1.50	2.10	1.97
22	0.65	1.25	1.84	1.84	2.41			1.60	1.90	1.71	2.00	1.85
23 F	1.00	1.17	1.89	2.07	2.72			1.56	2.02	1.90	1.95	2.05
24	1.30	1.10	1.51	1.85	3.00			1.55	2.10	2.32	1.10	1.72
25	0.95	1.16	1.45	2.36	2.80			1.52	2.09	2.40	1.17	1.45
26	1.35	1.00	1.56	2.54	2.81			1.57	1.70	2.47	1.15	1.42
27	1.40	1.03	1.99	2.93	2.70			2.05	1.62	2.61	1.36	1.40
28	1.95	1.14	2.07	2.99	2.45			1.96	1.69	2.84	1.37	1.16
29	2.02	-----	2.60	3.16	2.29			1.88	1.87	3.05	1.57	1.10
30	2.20	-----	1.75	3.03	2.30			1.96	1.96	2.95	1.64	1.16
31	1.65	-----	1.20	-----	2.34	-----		2.10	-----	2.91	-----	1.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.45	1.18	1.52	2.01	2.34	2.15	2.06	1.77	2.12	2.02	1.67	1.34
MAX	2.20	1.75	2.60	3.16	3.00	2.55	2.26	2.10	2.44	3.05	3.02	2.05
MIN	0.65	0.49	0.55	0.89	1.94	1.94	1.94	1.35	1.57	1.32	1.10	0.45
DAYS	31	28	31	30	31	17	8	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 329

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.78.

HIGHEST STAGE WAS 3.55 AT 1:45 P.M. ON APR 29.

LOWEST STAGE WAS 0.25 ON DEC 15.

## DAILY STAGE FOR 1991

BAYOU LAFOURCHE AT LEEVILLE, LA.

LOCATION. LAT. 29-14-52, LONG. 90-12-32. ON WHARF, NORTHEAST OF HIGHWAY 1 BRIDGE. (STA. 8235007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.4 TO DAILY STAGES PRIOR TO 1956.

RECORDS AVAILABLE. NOV. 4, 1955 TO DATE.

EXTREMES. HIGHEST, 6.62 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.44 FEET ON FEB. 27, 1965.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.06	1.25	1.45	1.05	2.47		1.88	1.86	2.54	2.42	2.69	1.59
2	1.20	1.30	2.01	1.14	2.09		1.88	2.01	2.64	2.88	1.66	1.35
3	1.30	1.22	1.96	1.50	2.05		1.99	2.07	2.72	2.68 F	1.44	1.30
4	1.19	1.20	0.90 F	1.35	2.05 F	1.95	2.00	2.25	2.86	2.53 F	0.94	0.45
5	1.47	1.38	1.00 F	1.35	1.85	1.59	2.08	2.30	2.94	2.30	1.17	0.65
6	1.49	1.25	1.24	1.29	1.74	1.74	2.39	2.30	2.68	1.23	1.33	0.89
7	1.43	0.85	1.10 F	1.35	1.56	2.24	2.40	2.28	2.40	1.47	1.43	0.94
8	1.09	0.43	1.32	1.60	2.30	2.73	2.41	2.24	2.05	1.55	1.24	1.16
9	0.89	0.40	0.65	1.55	2.30	2.92	2.38	2.14	1.88	1.50	1.12	1.32
10	1.56	0.46	0.29	1.49 F	2.50	2.99	2.19	1.93	2.00	1.60	1.20	1.15
11	1.64	0.55	0.49	1.67	2.42	2.90	2.03	1.51	2.13	1.65	1.20	1.43
12	1.15	0.61	0.76	2.17	2.43	2.60	1.84	1.28	2.20	1.72	1.44	1.45
13	0.80	0.95	1.30	2.23 F	2.30	2.33	1.70	1.33	2.24	1.65	1.44	1.72
14	0.82	1.20	1.00	2.60		2.16	1.65	1.64	2.25	1.83	1.80	1.15
15	1.46	0.95	0.94	2.64		1.97	1.66	1.85	2.41	1.89	1.82	0.65
16	1.35	0.39	1.36	2.50		1.97	1.55	1.80	2.46	1.74	1.81	0.85
17	0.95	1.30	2.05	2.23		1.90	1.76	2.05	2.35	1.94	1.82	0.75
18	1.10	1.51	2.03	2.22		1.84	1.80	2.15	2.51	1.64	1.72	0.51
19	1.87	1.80	1.74	2.15		1.95	1.99	2.01	2.37	1.46	1.73	0.62
20	1.53	1.40	1.80 F	1.84		1.90	1.99	2.00	1.92	1.64	2.13	1.44
21	0.72	0.83	1.63 F	1.35		1.95	2.14	1.92	2.17	1.48	1.35	1.75
22	0.69	1.05	1.80	1.70		2.06	2.17	1.82	2.22	1.46	1.48	1.50
23	0.94	0.17	1.44	1.85		2.02	2.11	1.90	2.11	1.63	1.44	1.85
24	1.20	0.33	0.85 F	1.93		2.00	2.05	1.85	1.92	2.05	0.65	1.45
25	1.00	0.40	1.00	2.46		1.89	1.93	1.74	1.85	2.11	0.91	1.44
26	0.78	0.35	1.13	2.82		1.89	1.87	1.60	1.56	2.21	1.06	1.45
27	0.84	0.55	1.62	3.13		1.95	1.72	2.09	1.50	2.51	1.45	1.54
28	1.45	0.94	1.59	3.02		1.75	1.70	1.70	1.75	2.90	1.40	1.34
29	1.39	-----	2.45	2.89		1.80	1.64	1.67	2.09	3.05	1.69	0.95
30	1.70	-----	1.35	3.14		1.87	1.54	1.85	2.41	3.05	1.50	0.91
31	1.27	-----	1.15	-----		-----	1.70	2.26	-----	2.97	-----	0.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.20	0.89	1.34	2.01	2.16	2.11	1.94	1.92	2.24	2.02	1.47	1.17
MAX	1.87	1.80	2.45	3.14	2.50	2.99	2.41	2.30	2.94	3.05	2.69	1.35
MIN	0.69	0.17	0.29	1.05	1.56	1.59	1.54	1.28	1.50	1.23	0.65	0.45
DAYS	31	28	31	30	13	27	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 344

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.68.

HIGHEST STAGE WAS 3.37 AT 1:30 P.M. ON APR 29.

LOWEST STAGE WAS 0.17 ON FEB 23.

## DAILY STAGE FOR 1991

BAYOU CHEVREUIL NEAR CHEGBY, LA.

LOCATION. LAT. 29-54-42, LONG. 90-43-48. ON PILING IN BORROW PIT, 300 FEET NORTH OF HIGHWAY 20 BRIDGE, 5.5 MILES NORTHEAST OF CHEGBY, LA. (STA. 8252507.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DISREGARD GAGE ZERO REPORTED PRIOR TO 1969, GAGE ZERO WAS MINUS 0.60 FOOT NGVD FROM 1951 TO 1975. PRIOR TO 1976 GAGE ZERO WAS MINUS 0.60 FEET, NGVD.

RECORDS AVAILABLE. JULY 11, 1951 TO DATE.

EXTREMES. HIGHEST, 4.40 FEET ON MAY 15, 1991. LOWEST, MINUS 1.00 FOOT ON JAN. 14, 1956. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1961 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.84	3.64	2.85	2.05	3.84	4.01	3.03	2.00	2.12		2.40	1.76
2	1.81	3.60	3.08	1.89	3.83	3.93	2.95	2.01	2.20		2.33	1.80
3	1.98	3.54	3.13	1.82	3.82	3.85	2.91	2.03	2.31		2.25	1.76
4	1.95	3.48	3.10	1.89	3.78	3.76	2.86	2.00	2.35		2.15	1.52
5	1.82	3.63	3.05	1.92 F	3.75	3.67	2.84	1.96	2.37		2.02	
6	1.80	3.70	2.99	1.87		3.60	2.84	1.93	2.44		1.90	
7	2.14	3.67	2.91	1.90		3.57	2.85	1.90	2.56		1.82	
8	2.11	3.62	2.86	2.00		3.50	3.15	1.90	2.57		1.76	
9	2.04	3.56	2.80	2.06		3.44	3.23	1.92	2.54		1.52 F	1.50
10	2.27	3.49	2.70	2.11		3.41	3.22	1.89	2.52			1.50
11	2.72	3.41	2.62	2.12		3.55	3.17	1.81	2.49			1.48
12	2.80	3.35	2.53	2.17		3.60	3.13	1.59	2.46			1.63
13	2.80	3.26	2.46	2.23		3.61	3.06	1.52	2.42			
14	2.79	3.20	2.38	2.28		3.65	3.00	1.52	2.38			
15	2.82	3.13	2.30	2.60 F	4.40	3.61	2.91	1.52	2.35			
16	2.82	3.03	2.25	2.63		3.56	2.88	1.52	2.30			
17	2.79	2.95	2.50	2.69		3.54	2.81	1.55	2.26		1.60	
18	2.75	2.87	2.56	2.80		3.59	2.74	1.63	2.20		1.75	
19	2.86	2.82	2.55	2.87		3.54	2.69	1.65	2.17		1.87	
20	2.85	2.82	2.52	2.97 F	4.20	3.46	2.65	1.57	2.14		1.97	
21	2.82	2.81	2.49	2.95	4.18	3.39	2.68	1.55	2.02		2.03	
22	2.75	3.02	2.47	2.89	4.20	3.33	2.63	1.55	1.94		2.04	
23	2.69	3.05	2.46	2.84	4.15	3.25	2.59	1.52	2.02		1.94 F	1.95
24	2.94	3.00	2.44	2.79	4.13	3.17	2.54	1.52	2.10		1.73	1.87
25	3.02	2.95	2.39	2.92	4.10	3.15	2.47	1.55	2.13		1.50	1.70
26	3.01	2.88	2.35	3.37	4.29	3.09	2.40	1.52	2.00			1.50
27	2.97	2.81	2.31	3.52	4.27	3.06	2.39	1.65	1.83			1.43
28	3.06	2.74	2.30	3.60	4.23	3.26	2.33	1.96	1.66 F	2.15		1.58
29	3.29	-----	2.30	3.65	4.19	3.19	2.24	2.01	1.68	2.18		1.40
30	3.56	-----	2.27	3.85	4.13	3.12	2.17	1.94	1.75	2.26	1.59	1.29
31	3.65	-----	2.19	-----	4.08	-----	2.07	1.97	-----	2.35	-----	1.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.63	3.22	2.58	2.57	4.09	3.48	2.76	1.75	2.21	2.24	1.90	1.59
MAX	3.65	3.70	3.13	3.85	4.40	4.01	3.23	2.03	2.57	2.35	2.40	1.95
MIN	1.80	2.74	2.19	1.82	3.75	3.06	2.07	1.52	1.66	2.15	1.50	1.29
DAYS	31	28	31	30	18	30	31	31	30	4	19	17

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 300

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.62.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 4.40 AT 3:17 ON MAY 15.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.28 ON DEC 30.

## DAILY STAGE FOR 1991

BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA.

LOCATION. LAT. 29-49-26, LONG. 90-28-36. ON HIGHWAY 631 BRIDGE. (STA. 8270007.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. JAN. 18, 1950 TO DATE.

EXTREMES. HIGHEST, 3.92 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 0.30 FOOT FROM JAN. 13 TO 15, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.10	2.04	1.30	1.04	3.15	2.91	1.71	1.10	1.62	1.35	2.29	1.49
2	1.09	1.95	1.73	0.90	3.05	2.82	1.69	1.22	1.72	1.42	2.00	1.52
3	1.20	1.84	1.85	1.00	2.97	2.72	1.68	1.28	1.83	1.50	1.80	1.50
4	1.12	1.76	1.59	1.26	2.90	2.61	1.58	1.26	1.83	1.59	1.55	1.14
5	1.01	1.80	1.39	1.30	2.81	2.47	1.59	1.22	1.82	1.64	1.34	0.86
6 F	1.11	2.01	1.39	1.28	2.79	2.35	1.65	1.22	1.89	1.52	1.34	0.77
7		1.97	1.40	1.35	2.63	2.35	1.81	1.21	1.91	1.22	1.34	0.79
8		1.81	1.48	1.50	2.78	2.35	2.08	1.27	1.80	1.11	1.33	0.81
9 F	1.10	1.65	1.36	1.63	3.05	2.39	2.10	1.31	1.72	1.19	0.91	0.84
10	1.40	1.51	1.08	1.63	2.88	2.44	2.04	1.30	1.80	1.15	0.72	0.81
11	1.89	1.44	0.92	1.60	2.92	2.70	1.99	1.20	1.79	1.09	0.69	0.82
12	1.80	1.37	1.00	1.74	3.00	2.71	1.90	0.92	1.77	1.03	0.72	0.98
13	1.67	1.33	1.13	1.87	3.07	2.69	1.79	0.71	1.71		0.73	1.16
14	1.57	1.37	1.08	1.99	3.14	2.61	1.66	0.68	1.65		0.83	1.30
15	1.50	1.24	0.96	2.28	3.20	2.53	1.55	0.79	1.67 F	0.93	1.07	1.00
16	1.67	0.85	1.02	2.17	3.16	2.49	1.50	0.99	1.70	0.92	1.20	0.68
17	1.54	0.89	1.63	2.10	3.20	2.49	1.40	1.01	1.65	0.84	1.35	0.67
18	1.49	1.24	1.61	2.10	3.20	2.48	1.37	1.12	1.58	0.90	1.54	0.71
19	1.69	1.40	1.46	2.27	3.09	2.42	1.34	1.11	1.60	0.92	1.72	0.79
20	1.58	1.65	1.47	2.30	3.11	2.31	1.38	1.00	1.49	0.95	1.90	0.99
21	1.51	1.49	1.54	2.15	3.07	2.20	1.40	0.99	1.30	1.07	1.77	1.33
22	1.24	1.60	1.69	2.02	3.10	2.14	1.41	0.98	1.35	1.19	1.61	1.40
23	1.15	1.49	1.80	2.04	3.13	2.04	1.41	0.92	1.54	1.35	1.52	1.46
24	1.46	1.30	1.61	1.91	3.17	1.99	1.37	1.00	1.64	1.55	1.25	1.38
25	1.48	1.28	1.50	2.10	3.19	1.95	1.24	1.01	1.60	1.65	0.92	1.10
26	1.49	1.20	1.47	2.60	3.32	1.83	1.19	1.00	1.27	1.71	0.79	0.98
27	1.48	0.98	1.50	2.97	3.30	1.80	1.17	1.28	1.15	1.79	0.81	1.04
28	1.62	0.93	1.70	2.93	3.22	1.87	1.10	1.48	1.05	1.91	0.87 F	1.15
29	1.70	-----	1.85	3.04	3.14	1.85	1.06	1.42	1.18	2.11	0.99	
30	2.02	-----	1.56	3.27	3.04	1.80	1.04	1.32	1.26	2.21	1.30 F	0.90
31	2.19	-----	1.34	-----	2.98	-----	0.99	1.38	-----	2.28	-----	0.95

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.48	1.48	1.43	1.94	3.06	2.34	1.52	1.12	1.60	1.38	1.27	1.04
MAX	2.19	2.04	1.85	3.27	3.32	2.91	2.10	1.48	1.91	2.28	2.29	1.52
MIN	1.01	0.85	0.92	0.90	2.63	1.80	0.99	0.68	1.05	0.84	0.69	0.67
DAYS	29	28	31	30	31	30	31	31	30	29	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.64.

HIGHEST STAGE WAS 3.38 AT MIDNIGHT ON MAY 25.

LOWEST STAGE WAS 0.61 ON AUG 13 AND LATER DATE(S).

## DAILY STAGE FOR 1991

## BAYOU BARATARIA AT BARATARIA, LA.

LOCATION. LAT. 29-44-29, LONG. 90-07-56. ON TOUCHARDS MARINE WHARF AT JUNCTION WITH BAYOU VILLARS.  
(STA. 8275007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ON DEC. 3, 1981 GAGE RESET TO NGVD. STAGES FROM JAN. 1 THRU DEC. 3, 1981 WERE CORRECTED TO NEW DATUM.

RECORDS AVAILABLE. JAN. 6 TO SEP. 26, 1950, AND NOV. 2, 1951 TO DATE.

EXTREMES. HIGHEST, 4.25 FEET (CAUSED BY HURRICANE) OCT. 29, 1985. LOWEST, MINUS 0.58 FOOT ON (CAUSED BY HURRICANE) ON SEP. 9, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			1.38	0.70	2.80	2.36		1.20	1.78	1.50	2.61	1.46
2			1.82	0.70	2.52	2.20 F	1.58	1.43	1.81	1.60	1.89	1.55
3			1.65	0.90	2.40	2.01	1.48	1.44	1.91	1.70	1.52	1.50
4			1.10	1.19	2.39	1.85	1.40	1.40	1.90	1.80	1.02	0.80
5			0.80	1.21	2.31	1.65	1.50	1.37	1.96	1.82	1.11 F	0.67
6			1.20	1.21	2.22	1.47	1.75	1.30	2.01	1.25	1.30	0.75
7			1.22	1.40	1.89	1.68	1.81	1.28	1.99	0.90	1.37	0.75
8			1.25	1.70	2.00	1.93	1.95	1.31	1.80	1.20	1.21	0.83
9			0.98	1.90	2.38	2.01	1.80	1.47	1.69	1.30		0.89
10			0.65	1.65	2.38	2.26	1.69	1.38	1.90	1.39		0.92
11	F	0.68	0.65	1.60	2.30	2.60	1.58	1.15	1.92	1.32		1.02
12		0.85	0.85	1.95	2.20	2.60	1.45	0.85	1.98	1.39	0.87	1.13
13		1.01	1.22	2.14	2.10	2.50	1.30	0.81	1.93	1.30	0.88	1.35
14		1.15	1.04	2.35	2.05	2.31	1.19	0.95	1.86	1.27	1.00	1.31
15		0.80	0.67	2.55	2.19		1.28	1.00	1.88	1.20	1.25	
16		0.61	0.99	2.20	2.20		1.15	1.21	1.89	1.02	1.31	
17		0.70		2.10	2.20		1.09	1.23	1.74	0.99	1.49	
18		1.25		2.00	2.30 F	1.88	1.21	1.31	1.69	1.09	1.81 F	0.68
19		1.55		2.30	2.40	1.71	1.22	1.28	1.65	0.99	1.98 F	0.90
20		1.49 F	1.30	2.20	2.49	1.60	1.25	1.10	1.25	1.15	2.17	1.05
21	F	1.20	1.49	1.80	2.46	1.51	1.25	1.11	1.23	1.19	1.84	1.51
22			1.80	1.79	2.45	1.58	1.31	1.10	1.40	1.31	1.66	1.51
23			1.81	2.00 F	2.70	1.50	1.29	1.00	1.61	1.55	1.61	1.70
24			1.50	1.70		1.46	1.20	1.05	1.80	1.80	0.99	1.34
25	F	0.93	1.40	2.05		1.40	1.09	1.08	1.65	1.82 F	0.72	0.98
26		0.76	1.50	2.35		1.34	1.08	1.14	1.28	1.85		0.94
27		0.72	1.75	3.20		1.40	1.01	1.59	1.14	1.93	0.72	1.10
28		0.83	1.85	3.01		1.49	0.98	1.60	1.18	2.03	0.80	0.99
29	-----	-----	2.20	3.18			0.99	1.49	1.30	2.46	1.00	0.82
30	-----	-----	1.50	3.10 F	2.60		0.97	1.43	1.40	2.51	1.35	0.89
31	-----	-----	1.03	-----	2.43	-----	1.04	1.42	-----	2.52	-----	0.82

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN		0.97	1.31	1.94	2.33	1.85	1.33	1.24	1.68	1.52	1.36	1.08
MAX		1.55	2.20	3.20	2.80	2.60	1.95	1.60	2.01	2.52	2.61	1.70
MIN		0.61	0.65	0.70	1.89	1.34	0.97	0.81	1.14	0.90	0.72	0.67
DAYS	0	15	28	30	25	25	30	31	30	31	26	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 299

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.52.

HIGHEST STAGE WAS 3.40 AT NOON ON APR 29.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.60 ON MAR 15.

## DAILY STAGE FOR 1991

BAYOU BARATARIA AT LAFITTE, LA.

LOCATION. LAT. 29-40-06, LONG. 90-06-36. ON WHARF NEAR HARRERO AND FOURTH STREETS.  
(STA. 8287507.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 19, 1955 TO DEC. 31, 1960, AND MAY 1, 1963 TO DATE.

EXTREMES. HIGHEST 5.05 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, (FROM INCOMPLETE RECORDS) MINUS 0.95 FOOT ON DEC. 23, 1989

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.08 F	1.22 F	1.52	0.52	2.72	2.20	1.40 F	1.60	2.00	1.70	2.54	1.51
2	1.16			0.58	2.45	2.05	1.45	1.55	2.02	1.80	1.72	1.63
3	1.20 F	1.08		0.90	2.49	1.87	1.50	1.54	2.10	1.90		1.52
4	0.90	1.00		1.09	2.49	1.66	1.44	1.58	2.09	1.95		0.79
5	1.09	1.40		1.11	2.40	1.39	1.52		2.11	2.00	1.10	0.64
6	1.21	1.56		1.15	2.09	1.34	1.80 F	1.55	2.11	1.22	1.35	0.89
7	1.37	1.33		1.34	1.70	1.64	1.90	1.48	1.98	0.95	1.43	0.90
8	1.03	0.93 F	1.40	1.60	2.10	2.08	2.00	1.50	1.75	1.17	1.20	1.01
9	0.92 F	0.93		1.80	2.30	2.20	1.89	1.52	1.70	1.32	0.71	1.10
10	1.59 F	0.92		1.60	2.33	2.40	1.70	1.40	1.90	1.40	0.90	0.92
11	1.99 F	0.91 F	0.65	1.59	2.28	2.70	1.57	1.13	1.99	1.40	0.95	1.10
12	1.70	0.90	0.84	2.01	2.18	2.51	1.40	0.81	2.00	1.49 F	0.85	1.27
13	1.37	1.09	1.29	2.30	2.07	2.36	1.30	0.87	2.00	1.40	1.09	1.48
14	1.30	1.20	1.10	2.49	2.06	2.20	1.29	1.08	1.96	1.40	1.28	1.23
15	1.59	0.81	0.73	2.41	2.30	2.12	1.31	1.19	1.99	1.29	1.41	0.31
16	F 1.38		1.04	2.10	2.12	2.03	1.26	1.37	1.99	1.15	1.42	0.49
17	1.30		1.68	1.91 F	2.10	1.92	1.30	1.40	1.88	1.13	1.52	0.60
18	1.22	1.40	1.48	1.91		1.78	1.45	1.45	1.80	1.20	2.00	0.73
19	1.60	1.72	1.20	2.10	2.35	1.69	1.50	1.40	1.81	1.02	1.90	0.68
20	1.40		1.25	2.01	2.40	1.60	1.53	1.29	1.30	1.20	2.09	1.35
21	0.90		1.39	1.60	2.35	1.60	1.53	1.29 F	1.40	1.19	1.72	1.61
22	0.50 F	1.82	1.79	1.68	2.50	1.67	1.60	1.24		1.30	1.59	1.50
23	0.79		1.69	1.90	2.79	1.57	1.55	1.19 F	1.82	1.52	1.53	1.71
24	1.19		1.40	1.60	2.79	1.50		1.20	1.81	1.89	0.80	1.38
25	0.99		1.30	2.00	2.79	1.40			1.61	1.91	0.78	1.10
26	1.20		1.39	2.60	2.80	1.30			1.29	2.03	0.85	1.08
27	1.25		1.80	2.66	2.68	1.40	F	1.73	1.20	2.21	0.97	1.10
28	1.60		1.74	2.95	2.50	1.40		1.67	1.29	2.48	0.99	0.95
29	1.65	-----	2.20 F	3.14	2.40	1.42		1.53	1.50	2.77	1.20	0.79
30		-----	1.40	3.05	2.35	1.40		1.56	1.59	2.70	1.41	0.87
31		-----	0.90	-----	2.32	-----		1.68	-----	2.64	-----	0.81

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.26	1.18	1.36	1.86	2.37	1.82	1.53	1.39	1.79	1.64	1.33	1.07
MAX	1.99	1.82	2.20	3.14	2.80	2.70	2.00	1.73	2.11	2.77	2.54	1.71
MIN	0.50	0.81	0.65	0.52	1.70	1.30	1.26	0.81	1.20	0.95	0.71	0.31
DAYS	29	18	23	30	30	30	23	28	29	31	28	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 330

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.57.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.32 AT 12:45 P.M. ON APR 29.

LOWEST STAGE WAS 0.29 ON DEC 15.

## DAILY STAGE FOR 1991

COMITE RIVER AT HOOPER ROAD (HWY 408) NEAR BATON ROUGE, LA.

LOCATION. LAT. 30-31-50, LONG. 91-05-35. ON STATE HIGHWAY 408 BRIDGE SOUTHEAST OF BAKER. (STA. 8501409.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. FOR RECORDS 1965 TO 1991, REFER TO GAGE COMITE RIVER NEAR BAKER, LA.

RECORDS AVAILABLE. NOV. 15, 1990, TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 47.08 FEET ON FEB. 20, 1991. LOWEST, NOT DETERMINED.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32.42	37.08			39.35							
2	32.03	33.26		31.92	34.72		F 32.30					
3	34.85	32.74			41.20				F 32.47			F 32.72
4	39.50				34.68						F 32.06	
5	36.26	36.00			34.72			F 32.25				
6	32.94	41.08 F	32.50		34.68				F 34.36			
7	32.72	36.81							35.14			
8	33.36	33.46			34.67							
9	32.48				42.62							
10	33.03				41.75							
11	45.09				41.59	32.25						
12	42.10			F 33.99	34.99 F	34.35						
13	E 35.00			38.04								
14	32.95			34.61 F	32.90							
15	32.52			38.86								
16	32.47			37.86			32.30					F 32.32
17	32.56			35.60								
18	32.07			34.22 F	34.30				F 32.05			
19	34.02 F	33.17		39.89	37.05						F 31.93	
20	34.40	46.37		36.41	36.06							
21	32.74	46.35		34.29	35.74							
22	32.15	43.90			F 34.38							
23	31.89	37.82										
24	32.83 F	35.00		34.42			32.30					
25	37.32			F 34.20								
26	34.27			36.95								
27	32.85			36.22								
28	33.17 F	32.10		F 34.32				35.01		F 32.09		
29	32.84	-----		34.27				F 34.35				
30	37.60	-----		46.70	35.06			F 34.34	F 32.07			
31	42.70	-----		-----	35.96	-----		F 34.35	-----			F 32.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	34.62	37.51	32.50	36.26	36.65	33.30	32.30	34.06	33.22	32.09	32.00	32.36
MAX	45.09	46.37	32.50	46.70	42.62	34.35	32.30	35.01	35.14	32.09	32.06	32.72
MIN	31.89	32.10	32.50	31.92	32.90	32.25	32.30	32.25	32.05	32.09	31.93	32.05
DAYS	31	14	1	18	19	2	3	5	5	1	2	3

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 104

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 35.32.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 47.08 AT 12:30 P.M. ON FEB 20.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 31.89 ON JAN 23.

DAILY STAGE FOR 1991  
COMITE RIVER NEAR BAKER, LA.

LOCATION. LAT. 30-35-47, LONG. 91-05-38. DYER ROAD BRIDGE, 4.5 MILES EAST OF BAKER.  
(STA. 8501609.)

GAGE. INTERMITTEN STAFF.

RECORDS AVAILABLE. DAILY JAN. 15, 1965, TO MAR. 26, 1991. INTERMITTENTLY MAR. 26, 1991 TO DATE.

EXTREMES. HIGHEST, 73.34 FEET ON APR. 16, 1967. LOWEST, CHANNEL DRY ON OCT. 25, 1973 AND LATER DATES.

STAGE IN FEET												
GAGE ZERO IS AT NGVD												
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		56.40	55.20									
2	53.30		56.25				52.40					
3	55.30		55.21						52.75			
4	58.50										52.63	
5	55.85	56.10						52.50				
6		58.57	53.72									
7		56.45										
8	54.07											
9												
10	55.20											
11	60.38					52.80						
12	58.39	53.90	52.70									
13	55.20											
14					53.30							
15	54.10											
16				57.15			52.40					52.60
17									52.55			
18											52.60	
19	55.20	53.85	53.52									
20		60.81										
21		60.03										
22		59.09										
23	53.05	56.79							52.50			
24	55.22											
25	56.61											
26	55.30	53.70	52.60									
27												
28										52.55		
29	53.50	-----										
30	57.81	-----		61.10		-----			52.65			52.50
31	60.10	-----		-----		-----			-----			

## DAILY STAGE FOR 1991

WHITE BAYOU NEAR ZACHARY, LA.

LOCATION. LAT. 30-38-12, LONG. 91-07-39. LOWER ZACHERY ROAD, TWO MILES SOUTHEAST OF ZACHARY.  
(STA. 8501909.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. PRIOR TO AUG. 1972,  
GAGE WAS MAINTAINED BY U. S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT, AND THE GAGE ZERO  
WAS AT NGVD. ALSO, DAILY READINGS WERE AT EIGHT A.M.

RECORDS AVAILABLE. JAN. 1965, TO DATE.

EXTREMES. HIGHEST, 23.24 FEET ON APR. 6, 1983. LOWEST, 2.29 FEET ON OCT. 14, 1989.  
EXTREMES HAVE BEEN CORRECTED TO PRESENT DATUM.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, 65.00 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.44	4.54	6.29	2.90	5.76	4.23	2.87	2.68	3.20	2.46	3.64	3.07
2	3.51	3.83	9.13	2.70	5.65	3.57	2.79	2.43	3.44	2.38	3.08	3.45
3	10.46	3.52	5.42	2.54	13.54	3.74	3.68	2.33	3.07	2.33	2.79	3.16
4	7.39	3.33	4.27	2.46	6.62	3.47	3.05	2.28	3.24	2.32	2.56	3.79
5	3.97	11.77	3.65	2.42	5.12	3.16	4.09	2.42	5.03	2.31	2.42	3.15
6	3.47	12.75	3.39	2.36	3.83	3.17	4.01	4.50	6.92	2.32	2.35	2.80
7	7.11	5.48	3.26	2.45	3.40	3.06	4.79	3.62	6.97	2.32	2.32	2.56
8	4.88	4.22	3.15	2.80	10.03	2.92	5.32	3.05	4.81	2.31	2.31	2.47
9	3.73	3.73	3.03	2.65	14.33	2.94	3.67	2.77	3.44	2.29	2.29	2.44
10	9.33	3.53	2.91	2.65	15.61	2.67	3.16	2.66	3.17	2.27	2.29	2.41
11	17.27	3.32	2.81	4.00	10.11	6.39	2.92	3.07	2.98	2.26	2.29	2.39
12	10.00	3.21	2.72	5.96	4.48	8.22	2.72	3.96	2.77	2.26	2.28	2.38
13	4.35	3.11	2.72	5.06	3.72	4.53	2.59	3.16	2.62	2.28	2.30	2.58
14	3.68	3.08	2.63	5.09	3.42	3.45	2.48	2.82	2.51	2.28	2.27	5.32
15	3.74	3.02	2.58	12.13	5.83	3.14	2.42	2.61	2.43	2.28	2.27	3.69
16	4.22	2.88	2.77	7.24	5.92	2.96	2.37	2.46	2.38	2.27	2.26	3.19
17	3.66	2.84	6.01	3.89	4.31	2.86	2.39	2.38	2.36	2.27	2.25	2.86
18	3.69	2.78	4.84	9.40	5.03	2.80	2.36	2.34	2.34	2.26	2.26	2.60
19	8.62	7.32	3.69	10.97	4.86	3.15	2.34	2.31	6.43	2.26	2.29	2.50
20	5.34	18.00	3.30	6.04	3.87	3.11	2.33	2.28	4.36	2.26	4.49	2.44
21	3.99	13.48	3.11	4.16	9.17	2.86	2.40	2.26	3.21	2.27	3.82	2.40
22	3.51	13.15	2.99	3.51	6.00	2.77	2.47	2.23	2.81	2.28	3.12	2.39
23	3.37	6.84	2.89	6.04	4.88	2.63	2.44	2.23	2.76	4.65	2.73	2.72
24	9.08	4.24	2.80	3.95	5.57	2.69	2.43	2.21	4.74	4.35	2.49	2.97
25	8.67	3.75	2.70	9.24	5.63	4.71	2.42	2.20	5.48	2.85	2.42	2.61
26	4.56	3.53	2.69	9.36	5.14	3.70	2.42	2.19	4.16	2.85	2.36	2.48
27	4.10	3.41	2.65	9.29	4.83	3.64	2.44	4.03	3.29	3.40	2.33	2.45
28	4.83	3.35	2.62	5.15	4.79	4.86	2.44	10.40	2.95	2.88	2.31	2.47
29	5.63	-----	2.78	12.25	4.35	3.31	2.89	7.86	2.73	2.57	2.30	2.43
30	11.82	-----	3.43	13.52	10.17	2.95	2.72	3.73	2.56	2.50	2.32	2.40
31	9.62	-----	3.17	-----	7.13	-----	3.14	3.33	-----	2.45	-----	2.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.16	5.64	3.56	5.74	6.55	3.59	2.92	3.19	3.64	2.55	2.57	2.87
MAX	17.27	18.00	9.13	13.52	15.61	8.22	5.32	10.40	6.97	4.65	4.49	5.32
MIN	3.37	2.78	2.58	2.36	3.40	2.63	2.33	2.19	2.34	2.26	2.25	2.38
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 4.07.  
HIGHEST STAGE WAS 18.59 AT 3:15 A.M. ON FEB 20.  
LOWEST STAGE WAS 2.18 ON AUG 25.

## DAILY STAGE FOR 1991

AMITE RIVER NEAR DENHAM SPRINGS, LA.

LOCATION. LAT. 30-27-50, LONG. 90-59-25. U. S. HIGHWAY 190 (WESTBOUND) BRIDGE, THREE MILES  
SOUTHWEST OF DENHAM SPRINGS. (STA. 8504009.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 1,280  
SQUARE MILES. PRIOR TO 1977 GAGE ZERO WAS 3.87 FEET, NGVD.

RECORDS AVAILABLE. STAGE, SEP. 1938 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946.  
DISCHARGE, 1955, OBSERVED BY CORPS OF ENGINEERS. COMPUTED DAILY, IN REPORTS OF U.S. GEOLOGICAL  
SURVEY.

EXTREMES. HIGHEST, 41.50 FEET ON APR. 8, 1983. LOWEST, 8.43 FEET ON NOV. 18, 1938. EXTREMES  
HAVE BEEN ADJUSTED TO NGVD.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.42	27.14	16.66	13.23	29.56	17.23	12.62	11.56	14.00	11.84	12.26	11.33
2	12.04	24.82	20.28	12.64	28.92	15.28	12.64	11.50	13.45	11.66	14.94	11.73
3	15.12	19.78	22.79	12.34	27.56	14.26	14.06	11.43	12.62	11.56	15.19	14.16
4	22.35	15.86	20.41	12.18	25.14	13.70	14.32	11.39	11.98	11.49	13.27	14.96
5	23.65	19.82	17.82	12.09	23.71	13.37	14.70	11.63	12.42	11.42	12.24	14.51
6	19.15	25.51	16.03	12.05	23.98	13.36	14.57	13.95	13.10	11.34	11.81	13.21
7	16.24	26.04	15.06	12.20	23.13	15.95	16.40	13.58	16.20	11.26	11.61	12.38
8	15.63	24.69	14.49	12.35	23.22	13.43	18.26	13.28	14.07	11.20	11.54	12.01
9	14.46	21.07	14.05	12.16	27.18	13.19	17.09	12.78	12.92	11.18	11.45	11.86
10	17.25	16.45	13.68	12.18	29.33	13.04	14.94	12.83	12.67	11.16	11.39	11.92
11	25.62	15.06	13.40	12.13	30.10	14.51	13.52	14.61	12.30	11.15	11.33	11.76
12	28.05	14.41	13.21	13.67	28.48	18.75	12.81	14.11	11.84	11.13	11.30	11.74
13	26.62	13.94	13.09	19.51	25.62	16.55	12.46	13.54	11.61	11.11	11.27	11.68
14	22.62	13.64	12.97	18.27	21.29	15.26	12.25	12.53	11.48	11.10	11.25	12.69
15	17.63	13.42	12.84	21.05	17.93	14.14	12.16	11.92	11.46	11.13	11.23	12.78
16	15.76	13.22	12.85	24.10	16.85	13.49	12.03	11.66	11.56	11.07	11.21	13.94
17	15.28	13.01	15.85	24.28	15.59	13.26	11.92	11.54	11.31	11.03	11.20	13.01
18	14.61	12.88	15.92	23.63	17.43	13.01	11.99	11.47	11.25	10.99	11.18	12.31
19	17.74	13.65	14.96	25.25	22.56	13.68	13.05	11.40	14.58	10.98	11.16	11.97
20	19.43	24.82	13.96	24.91	22.50	15.03	13.67	11.34	13.03	10.98	13.39	11.76
21	18.46	29.83	13.36	21.88	20.47	15.08	12.51	11.30	11.85	10.97	13.70	11.65
22	16.15	30.76	13.03	17.21	19.66	14.06	12.31	11.30	11.48	12.04	12.99	11.56
23	14.56	29.30	12.82	15.70	17.66	13.99	11.93	11.32	11.40	16.42	12.45	11.79
24	17.83	27.15	12.67	16.07	17.44	13.30	11.91	11.24	12.55	12.44	11.96	11.74
25	22.17	24.48	12.53	16.78	16.53	13.71	12.41	11.20	13.62	11.43	11.67	11.93
26	22.70	19.73	12.42	20.68	17.32	14.64	11.87	11.17	14.80	12.02	11.51	11.96
27	20.03	16.40	12.36	20.84	17.18	13.73	11.67	12.16	17.21	12.66	11.41	11.73
28	17.83	15.40	12.30	19.16	17.54	13.96	11.59	16.03	14.62	11.48	11.36	11.60
29	17.04	-----	12.41	20.54	16.15	14.03	11.63	15.19	12.76	11.69	11.33	11.51
30	20.91	-----	13.41	27.70	17.14	13.05	11.78	13.76	12.15	11.39	11.33	11.46
31	26.21	-----	13.91	-----	19.49	-----	11.68	17.91	-----	11.33	-----	11.41

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.89	20.08	14.57	17.56	21.83	14.33	13.12	12.60	12.88	11.57	12.00	12.26
MAX	28.05	30.76	22.79	27.70	30.10	18.75	18.26	17.91	17.21	16.42	15.19	14.96
MIN	12.04	12.88	12.30	12.05	15.59	13.01	11.59	11.17	11.25	10.97	11.16	11.33
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 15.11.

HIGHEST STAGE WAS 31.01 AT 5:00 A.M. ON FEB 22.

LOWEST STAGE WAS 10.96 ON OCT 21 AND LATER DATE(S).

## DAILY STAGE FOR 1991

## ALLIGATOR BAYOU AT SPANISH LAKE FLOODGATE (LA.) (UPPER)

LOCATION. LAT. 30-19-15, LONG. 91-01-12. ABOUT 100 FEET SOUTH OF FLOODGATE, TWO MILES SOUTH OF KLEINPETER, LA. (STA. 8505009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DAILY STAGES WERE NOT IN ERROR AS REPORTED IN 1957, THEREFORE SUBTRACT 0.5 FROM DAILY STAGES IN 1957 AND 1958.

RECORDS AVAILABLE. JAN. 29, 1955 TO MAY 14, 1973 AND APR. 25, 1974 TO DATE.

EXTREMES. HIGHEST, 10.66 FEET ON APR. 11, 1980. LOWEST, MINUS 0.40 FOOT ON JULY 12, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.09	7.24	7.49	6.18	8.10		5.94	5.56	6.47	5.59	5.67	5.72
2	6.11	7.22	7.61	6.20	8.18		5.69	5.55	6.48	5.58	5.62	5.74
3	6.15	7.40	8.02	6.20	8.40 F	8.82	5.53	5.53	6.49	5.57	5.59 F	5.81
4	6.19	7.05	8.12	6.20	8.51	8.67	6.12	5.52	5.77	5.57	5.57	
5	6.22	7.07	8.07	6.19	8.58	8.50	6.20	5.51	6.24	5.57 F	5.62	
6	6.23	7.39	7.91	6.19	8.59	8.53	6.28	5.52	5.64	5.51		
7	6.27	7.39	7.74	6.29	8.59	8.64	6.68	5.52	5.50	5.50 F	5.63	
8	6.28	7.49	7.60	6.30	8.82	8.57	7.09	5.53	5.71	5.51	5.55	
9	6.29	7.45	7.47	6.32	9.42	8.41	7.09	5.57	5.51	5.49	5.57	
10	6.42	7.03	7.28	6.32	9.72	8.28	7.10	5.55	5.01	5.48	5.57 F	5.82
11	7.01	6.85	7.52	6.31	9.93	8.20	6.93	5.52	5.80	5.48	5.58	5.82
12	7.19	6.62	7.05	6.27	9.99	8.20	6.72	5.58	5.81	5.48	5.56	
13	7.23	6.44	6.97	6.27	10.00	8.08	6.47	5.53	5.52	5.44	5.55	5.82
14	7.24	6.21	6.76	6.22	10.02	8.01	6.18	5.54	5.59	5.44	5.57	5.85
15	7.32	5.94	6.54	6.46	10.13	7.84	5.89	5.55	5.60	5.46 F	5.62	5.87
16	7.00	5.66	6.36	6.02	10.18	7.68		5.53	5.62	5.43		5.88
17	6.70	5.34	6.61	5.87	10.13	7.51		5.53	5.62	5.43	F	5.80
18	6.85	5.00	6.73	6.32	10.08	7.41		5.52	5.61	5.43		
19	6.63	6.01	6.63	7.09	10.09	7.73		5.52	5.62	5.42 F	5.62 F	5.80
20	6.55	5.86	6.46	7.22	10.09	7.70		5.50	5.62	5.42	5.70	5.81
21	7.02	6.63	6.23	7.29	10.09	7.64		5.51	5.62	5.41	5.77	5.82
22	6.60	7.21	6.00	7.32	10.10	7.51		5.51	5.60	5.40	5.78	5.83
23	7.01	7.47	5.72	7.02	10.00	7.33		5.51	5.61 F	5.40	5.74	5.87
24	6.60	7.52	5.39	6.88	9.96	7.15 F	5.51	5.50	5.62	5.45	5.72	5.87
25	7.25	7.58	5.02	6.77	9.84	7.10	5.51	5.49	5.71	5.42	5.72	5.86
26	7.32	7.60	5.89	6.70	9.82	7.00	5.53	5.48	5.69	5.40	5.77	5.87
27	7.37	7.60	5.99	7.42	9.77	6.79	5.54	5.49	5.67	5.50	5.73	5.85
28	7.40	7.61	6.02	7.52	9.62	6.72	5.54	5.52	5.64	5.50	5.72	5.88
29	7.20	-----	6.12	7.58	9.51	6.50 F	5.58	5.55		5.58	5.72	5.88
30	7.21	-----	6.13	8.00		6.21	5.56	5.57 F	5.62	5.59	5.72	5.87
31	7.28	-----	6.14	-----		-----	5.56	6.30	-----	5.63	-----	5.87

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.78	6.85	6.76	6.63	9.53	7.74	6.10	5.55	5.72	5.49	5.65	5.84
MAX	7.40	7.61	8.12	8.00	10.18	8.82	7.10	6.30	6.49	5.63	5.78	5.88
MIN	6.09	5.00	5.02	5.87	8.10	6.21	5.51	5.48	5.01	5.40	5.55	5.72
DAYS	31	28	31	30	29	28	23	31	29	31	26	23

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 340

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 6.57.

HIGHEST STAGE WAS 10.18 AT 8:00 A.M. ON MAY 16.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 4.70 ON SEP 12.

## DAILY STAGE FOR 1991

## ALLIGATOR BAYOU AT SPANISH LAKE FLOODGATE (LA.) (LOWER)

LOCATION. LAT. 30-19-18, LONG. 91-01-14. ON NORTH SIDE OF FLOODGATE, TWO MILES SOUTH OF KLEINPETER, LA. (STA. 8507509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DAILY STAGES WERE NOT IN ERROR AS REPORTED IN 1957, THEREFORE SUBTRACT 0.5 FROM DAILY STAGES IN 1957 AND 1958.

RECORDS AVAILABLE. FEB. 4, 1955, TO DATE.

EXTREMES. HIGHEST, 15.71 FEET ON APR. 10, 1983. LOWEST, MINUS 2.42 FEET ON APR. 29, 1960.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.44	6.59	6.54	1.15	8.00	7.39	5.30	1.61	8.05	2.97	2.92	1.46
2	1.10	6.45	7.23	0.90	8.59	7.17	5.17	1.39	6.28	2.84	3.19	1.15
3	1.59	5.49	8.12	1.07	9.09	6.91	5.30	1.44	5.35	2.78	3.33	1.16
4	2.20	3.99	7.72	1.57	8.91	6.67	3.73	1.25	7.24	2.58	3.33	1.23
5	2.57	5.73	7.50	1.50	9.11	6.49	4.23	1.10	3.01	2.40	3.43	1.10
6	2.85	6.93	6.88	1.43	8.34	7.09	4.19	1.17	4.94	2.50	3.49	1.34
7	2.56	7.03	6.43	1.48	7.51	8.07	6.12	1.20	5.00	2.91	3.35	1.25
8	1.76	6.32	6.26	1.56	8.67	8.10	7.76	1.84	5.46	2.63	3.24	1.19
9	1.36	5.94	6.48	1.53	10.36	7.88	7.66	1.60	4.81	2.64	3.04	0.92
10	3.39	6.01	6.40	2.14	11.04	7.37	7.41	1.22	4.18	2.27	2.88	0.97
11	7.82	5.66	4.60	2.15	11.80	7.51	6.63	2.86	2.41	1.65	2.64	1.18
12	7.48	5.30	4.69	2.01	11.77	7.71	6.17	1.31	1.97	1.15	2.71	1.17
13	7.71	5.09		2.34	11.49	7.53	5.72	1.30	1.22	1.08	2.63	0.89
14	7.23	4.94		2.70	10.86	7.45	5.45	1.62	0.84	1.13	2.65	0.77
15	6.02	4.90		5.09	10.08	7.09	5.21	1.73	0.76	1.08	2.91	1.13
16	6.28	5.32		5.36	9.64	6.74	5.31	1.93	0.83	1.44	2.85	1.83
17	5.85	4.48		5.18	9.26	6.40	4.83	2.02	0.54	1.58	2.78	2.07
18	3.84	4.07		6.57	9.00	6.36	4.23	1.90	0.25	1.56	2.76	1.84
19	5.53	2.20		8.16	8.88	6.96	2.63	1.63	0.76	1.50	2.90	2.07
20	5.66	5.49		8.11	8.66	6.86	2.47	1.82	1.80	1.27	3.18	2.92
21	3.96	7.03	5.41	7.20	8.90	6.72	2.32	2.16	1.27	1.47	3.53	3.14
22	2.68	9.11	5.16	6.12	8.79	6.56	2.37	2.29	1.22	1.75	2.78	2.42
23	1.49	9.91	4.91	6.13	8.55	6.38	2.07	2.41	1.30	6.25	2.73	1.56
24	5.59	10.05	4.63	5.75	8.44	6.19	1.71	2.97	1.30	3.58	2.46	1.54
25	5.99	9.55	4.29	5.67	8.17	6.66	1.41	3.33	0.65	2.30	2.19	1.31
26	5.58	8.98	2.31	5.67	8.19	6.46	1.38	3.51	0.07	2.26	2.09	1.42
27	4.63	8.07	2.04	5.43	8.11	6.25	1.37	3.88	0.48	4.63	2.08	1.59
28	4.28	6.64	1.73	5.05	7.92	6.75	1.16	4.81	0.69	3.64	2.05	1.94
29	5.72	-----	0.96	4.97	7.69	6.25	1.07	4.25	1.02	2.88	1.83	1.28
30	6.02	-----	0.37	8.15	7.41	5.76	1.06	3.68	0.98	2.99	1.66	1.51
31	6.37	-----	1.07	-----	7.35	-----	1.29	8.57	-----	-----	-----	1.73

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.40	6.33	4.86	4.07	9.05	6.92	3.96	2.38	2.49	2.39	2.79	1.52
MAX	7.82	10.05	8.12	8.16	11.80	8.10	7.76	8.57	8.05	6.25	3.53	3.14
MIN	1.10	2.20	0.37	0.90	7.35	5.76	1.06	1.10	0.07	1.08	1.66	0.77
DAYS	31	28	23	30	31	30	31	31	30	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 356  
 THE MEAN STAGE FOR THE YEAR WAS 4.24.  
 HIGHEST STAGE WAS 11.80 AT 8:00 A.M. ON MAY 11.  
 LOWEST STAGE WAS MINUS 0.03 ON SEP 26.

## DAILY STAGE FOR 1991

BAYOU MANCHAC AT HOPE VILLA, LA.

LOCATION. LAT. 30-20-38, LONG. 90-59-00. ON U.S. HIGHWAY 61 (NORTHBOUND) BRIDGE.  
(STA. 8510009.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. FEB. 6, 1945, TO OCT. 8, 1958, AND JULY 19, 1960, TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 15.60 FEET ON APR. 8, 1983. LOWEST, MINUS 1.63 FEET  
ON DEC. 19, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.97	5.69 E	5.60	0.71	7.71	6.09	3.84	1.25	4.84	2.08	2.69	1.60
2	0.93	6.00 E E E	6.67	0.54	8.49	5.84	3.65	1.03	3.06	2.16	2.20	1.65
3	1.24	5.17	7.49	1.02	8.99	5.59	3.72	0.95	2.33	2.14	1.89	1.39
4	1.72	3.34 E	6.81	1.48	8.61	5.37	2.39	0.75	3.60	2.02	1.50	0.80
5	2.35	5.27	6.52	1.60	8.82	5.18	3.22	0.60	2.52	1.91	1.47	0.66
6	2.77	6.44	5.86	1.60	7.83	6.30	2.99	0.70	3.63	1.67	1.46	0.80
7	2.42	6.22	5.27	1.67	6.93	7.07	4.99	0.75	3.70	1.95	1.37	0.77
8	1.38	5.77	4.99	1.73	8.50	6.36	6.34	1.36	4.73	1.67	1.11	0.83
9	1.20	4.99	4.83	1.70	10.32	6.24	6.14	1.08	4.29	1.71	0.65	0.80
10	2.99	4.83	4.64	1.93	10.70	5.91	5.85	0.74	3.47	1.47	0.52	0.80
11	E E E	7.62	4.38	3.37	2.01	6.20	4.96	2.09	2.17	1.10	0.33	1.04
12	E E E	6.96	4.24	2.47	11.25 F	6.44	4.45	0.36	1.96	0.85	0.43	1.18
13	E E E	6.98	4.12	3.99	10.97	6.06	4.05	0.50	1.72	0.75	0.56	1.08
14	E	6.74	3.96	4.05	10.30	5.87	3.75	0.76	1.40	0.96	0.89	1.26
15	E	5.63	3.78	3.99	9.38	5.53	3.55	0.70	1.33	0.93	1.24	0.87
16	E E E	4.96	3.55	4.00	4.83	8.79	5.22	0.86	1.40	1.07	1.38	1.21
17	E E E	4.34	3.45	5.71	4.68	8.34	4.95	0.92	1.30	1.09	1.58	1.08
18	E E E	2.50	3.32	5.32	6.33	8.24	4.75	0.75	1.21	0.96	1.82	0.92
19	E	4.76	2.05	4.91	7.91	8.03	5.06	0.53	1.61	1.00	2.02	1.05
20	E	4.67	5.84	4.56	7.83	7.72	5.15	0.54	2.34	0.93	2.25	2.01
21		3.29	6.79	4.27	6.78	8.28	4.90	0.77	1.79	1.20	2.51	2.39
22		1.50	8.08	4.06	5.65	7.79	4.94	0.77	1.84	1.51	1.36	2.27
23		1.10	8.17	3.87	5.19	7.51	4.64	0.81	2.04	6.32	1.32	1.89
24	E	5.15	8.19	3.68	4.63	7.37	4.43	0.96	1.16	2.37 F	3.32	0.54
25	E	5.41 E	8.23	3.34	4.55	7.14	5.10	0.78	1.42	1.77	2.29	-0.03
26	E E E	4.87 E	8.13	1.94	4.67	7.19	4.63	0.75	1.45	1.02	2.31	0.08
27	E E E	4.19 E	6.92	1.81	4.98	6.99	4.35	0.66	1.65	1.33	4.70	0.53
28	E	3.78 E	5.75	1.56	4.54	6.78	5.17	0.62	2.28	1.46	3.62	0.90
29		4.69	-----	1.31	4.52	6.48	4.45	0.78	1.61	1.74	2.87	1.31
30		5.50	-----	0.72 F	7.80	6.24	4.12	0.75	1.21	1.88	2.90	1.51
31		5.66	-----	0.84	-----	6.20	-----	0.95	6.03	-----	3.02	-----

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.82	5.45	4.14	3.79	8.26	5.40	2.76	1.17	2.33	2.05	1.25	1.22
MAX	7.62	8.23	7.49	7.91	11.25	7.07	6.34	6.03	4.84	6.32	2.69	2.39
MIN	0.93	2.05	0.72	0.54	6.20	4.12	0.62	0.36	1.02	0.75	-0.03	0.66
DAYS	31	28	31	30	30	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.44.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 11.25 AT 2:00 P.M. ON MAY 12.

LOWEST STAGE WAS MINUS 0.05 ON NOV 25.

## DAILY STAGE FOR 1991

AMITE RIVER AT PORT VINCENT, LA.

LOCATION. LAT. 30-19-57, LONG. 90-51-07. ON SOUTH SIDE OF HIGHWAY 42 BRIDGE. (STA. 8517509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. PRIOR TO OCT. 23, 1983, GAGE WAS MAINTAINED BY U. S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT. ALSO, DAILY READINGS WERE AT EIGHT A.M.

RECORDS AVAILABLE. DEC. 15, 1954 TO JUNE 18, 1974 AND JUNE 21, 1975 TO DATE .

EXTREMES. HIGHEST, 14.59 FEET ON APR. 9, 1983. LOWEST, MINUS 1.60 FEET ON DEC. 19, 1954.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.38	3.56	2.28	0.89	5.26	2.83	1.66	1.54	2.41	2.49	2.89	1.81
2	1.41	3.85	2.93	0.82	6.25	2.40	1.66	1.56	2.46	2.55	2.36	1.76
3	1.54	3.22	3.54	1.32	6.30	1.85	1.52	1.48	2.60	2.53	2.09	1.45
4	1.87	1.98	2.99	1.71	5.89	1.45	1.41	1.26	2.74	2.38	1.72	0.92
5	2.13	2.52	1.75	1.77	5.24	1.26	1.31	1.10	2.81	2.20	1.80	0.94
6	2.34	3.04	1.05	1.82	4.35	1.60	1.42	1.17	2.80	2.06	1.76	1.06
7	1.96	3.25	0.85	1.86	3.80	2.55	1.86	1.20	2.77	2.20	1.72	1.09
8	1.38	3.19	1.13	1.95	4.57	2.85	2.34	1.34	2.51	2.06	1.46	1.15
9	1.38	2.57	1.34	1.92	5.57	3.08	2.17	1.26	2.26	2.02	1.07	1.16
10	2.35	1.39	1.14	1.83	6.68	3.34	1.74	1.00	2.49	1.83	0.94	1.20
11	3.48	0.92	0.74	2.18	8.11	3.49	1.24	0.97	2.49	1.51	0.80	1.41
12	3.82	0.93	0.88	2.49	8.38	3.55	1.04	0.53	2.32	1.29	0.91	1.53
13	4.27	0.88	0.96	2.72	7.47	3.41	0.86	0.77	2.05	1.29	1.11	1.48
14	3.98	0.73	0.79	2.94	5.99	3.07	0.82	1.15	1.87	1.44	1.44	1.26
15	2.95	0.01	1.26	3.37	4.52	2.71	0.83	1.27	1.84	1.39	1.75	1.22
16	1.95	0.01	2.09	3.33	3.56	2.40	0.85	1.46	1.87	1.55	1.82	1.34
17	1.59	0.74	3.00	3.36	3.03	2.05	1.23	1.46	1.74	1.55	1.92	1.15
18	1.64	1.11	3.04	3.96	2.97	1.73	1.36	1.22	1.73	1.41	2.13	1.02
19	2.39	1.47	2.59	4.34	3.36	1.50	1.25	1.03	1.96	1.39	2.34	1.58
20	2.31	2.25	2.20	4.32	3.65	1.43	1.26	1.08	2.04	1.36	2.42	2.47
21	1.54	3.55	2.05	3.81	4.16	1.23	1.43	1.22	2.03	1.56	2.17	2.83
22	0.82	6.55	2.00	2.94	4.47	1.31	1.55	1.19	2.17	1.86	1.81	2.53
23	0.88	7.66	1.83	2.27	4.61	1.24	1.40	1.19	2.25	2.48	1.50	2.20
24	1.99	7.00	1.56	2.14	4.69	1.39	1.19	1.13	2.05	2.43	0.66	1.70
25	2.70	5.61	1.43	2.63	4.43	1.34	1.02	1.14	1.58	2.64	0.43	1.37
26	2.77	3.89	1.49	3.29	4.32	1.35	0.94	1.14	1.41	2.74	0.70	1.29
27	2.57	1.95	1.56	3.66	4.04	1.59	0.85	1.15	1.64	2.84	1.14	1.59
28	2.40	1.51	1.39	3.48	3.68	1.81	0.88	1.16	1.83	2.91	1.44	1.77
29	2.44	-----	1.32	3.64	3.31	1.79	0.99	1.16	2.19	3.13	1.67	1.11
30	2.88	-----	0.90	4.36	3.06	1.69	1.01	1.64	2.32	3.29	1.79	1.11
31	3.19	-----	1.06	-----	3.05	-----	1.30	2.47	-----	3.31	-----	1.16

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.27	2.69	1.71	2.70	4.80	2.11	1.30	1.24	2.17	2.12	1.59	1.47
MAX	4.27	7.66	3.54	4.36	8.38	3.55	2.34	2.47	2.81	3.31	2.89	2.83
MIN	0.82	0.01	0.74	0.82	2.97	1.25	0.82	0.53	1.41	1.29	0.43	0.92
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.18.

HIGHEST STAGE WAS 8.50 AT 7:50 A.M. ON MAY 12.

LOWEST STAGE WAS MINUS 0.34 ON FEB 6.

## DAILY STAGE FOR 1991

AMITE RIVER AT FRENCH SETTLEMENT, LA.

LOCATION. LAT. 30-16-30, LONG. 90-46-55. ON LEFT BANK ABOUT 200 FEET WEST OF STATE HIGHWAY 16 BRIDGE.  
(STA. 8522509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1949. DAILY, JAN. 1, 1950, TO FEB. 17, 1951, AND DEC. 16, 1954, TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 7.4 FEET ON APR. 25, 1978. LOWEST, MINUS 1.50 FEET ON DEC. 19, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.50	2.89	2.20	1.17	4.19	2.89	1.95	1.78		2.65	3.39	2.23
2	1.47	2.95	2.64	1.02	4.34	2.56	2.00	1.65		2.77	2.85	2.23
3	1.51	2.74	2.89	1.57	4.39	2.10	1.79	1.58		2.75	2.49	1.91
4	1.77	2.10	2.53	2.07	4.27	1.70	1.54	1.36		2.63	2.19	1.34
5	1.94	2.47	1.61	2.17	4.19	1.44	1.41	1.16		2.51	2.01	1.08
6	2.27	2.72	1.24	2.17	3.84	1.53	1.42	1.31		2.22	2.05	1.28
7	2.27	2.67	0.99	2.19	3.42	2.45	1.65	1.39		2.44	2.00	1.32
8	1.68	2.49	1.44	2.30	3.61	2.79	2.28	1.63		2.25	1.89	1.36
9	1.72	2.07	1.68	2.28	4.22	3.04	2.08	1.69		2.22	1.45	1.35
10	2.22	1.46	1.53	2.08	4.59	3.28	1.84	1.42 F	2.73	2.00	1.25	1.32
11	3.01	1.16	1.07	2.35	4.87	3.73	1.47	1.30	2.65	1.68	1.14	1.49
12	3.09	1.18	1.17	2.68	5.12	3.73	1.30	0.88	2.55		1.14	1.68
13	3.05	1.22	1.34	2.80	5.15	3.62	1.17	0.93	2.29		1.30	1.66
14	2.89	1.05	0.98	3.03	4.85	3.39	0.98	1.22	1.97 F	1.67	2.10	1.65
15	2.61	0.35	1.32	3.38	4.25	3.13	1.13	1.31	1.91 F	1.60		1.28
16	2.13	-0.01	2.11	3.26	3.76	2.85	1.07	1.47	1.98	1.68		1.69
17	1.65	0.90	2.98	3.19	3.34 E	2.55	1.39	1.55	1.90	1.78		1.55
18	1.53	1.20	3.25	3.31	3.15 E	2.17	1.38	1.37	1.82	1.67		1.37
19	2.42	1.74	2.80	3.57	3.23 E	1.83	1.31	1.15	2.10	1.72 F	2.68	1.41
20	2.44	2.05	2.44	3.60	3.37		1.25	1.14	2.23	1.61	2.77	
21	1.71	2.44	2.32	3.34	3.73		1.42	1.36	2.26	1.86	2.63	
22	1.00	3.34	2.33	2.92	4.27		1.64	1.37	2.32	2.12	2.19	
23	1.09	3.77	2.21	2.47	4.56		1.54	1.41	2.51	2.49	1.97	
24	1.78	3.87	1.97	2.24	4.80 F	1.38	1.35	1.72	2.31	2.60	1.23 F	1.87
25	2.51	3.61	1.78	2.67	4.60	1.53	1.21	1.97	1.92	2.86	0.62	1.55
26	2.53	2.94	1.85	3.17	4.49	1.51	1.21	2.00	1.44	2.92	0.80	1.46
27	2.33	1.85	1.89	3.61	4.23	1.75	1.14	2.08	1.57	3.05	1.28	1.65
28	2.33	1.51	1.56	3.52	3.89	2.02	1.14	2.25	1.78	3.12	1.66 F	1.85
29	2.42	-----	1.70	3.42	3.50	2.04	1.29	1.91	2.19	3.32	1.95	1.57
30	2.80	-----	1.17	3.81	3.22	1.99	1.25	1.74	2.38	3.51	2.18	1.38
31	2.94	-----	1.29	-----	3.08	-----	1.48	2.18	-----	3.66	-----	1.42

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.15	2.10	1.88	2.71	4.08	2.42	1.45	1.53	2.13	2.39	1.89	1.55
MAX	3.09	3.87	3.25	3.81	5.15	3.73	2.28	2.25	2.73	3.66	3.39	2.23
MIN	1.00	-0.01	0.98	1.02	3.08	1.38	0.98	0.88	1.44	1.60	0.62	1.08
DAYS	31	28	31	30	31	26	31	31	21	29	26	27

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 342

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.20.

HIGHEST STAGE WAS 5.15 AT 5:00 P.M. ON MAY 12 AND LATER DATE(S).

LOWEST STAGE WAS MINUS 0.14 ON FEB 16.

## DAILY STAGE FOR 1991

PETITE ANITE RIVER NEAR ST. PAUL, LA.

LOCATION. LAT. 30-11-19, LONG. 90-43-04. AT JUNCTION WITH NEW RIVER CANAL, 5.8 MILES SOUTHEAST OF ST. PAUL AND 7.5 MILES EAST OF SORRENTO, LA. (STA. 8525006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1950 TO 1951. DAILY, OCT. 5, 1951, TO DATE.

EXTREMES. HIGHEST, 4.72 FEET ON APR. 21, 1973. LOWEST, MINUS 1.60 FEET ON DEC. 29, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.22	2.38	1.50	0.77			1.63	1.52	2.08	2.32	2.95	1.79
2	1.26	2.33	2.12	0.66			1.68	1.32	2.20	2.39	2.44	1.80
3	1.30	2.22	2.29	1.19		F	1.30	1.22	2.37	2.37	2.10	1.58
4	1.53	1.89	2.24	1.70			1.16	1.03	2.53	2.28	1.75	0.90
5	1.59	1.72	1.58	1.81	F	3.08	1.09	0.81	2.65	2.17	1.77	0.79
6	1.77	2.12	0.97	1.81	2.98		1.03	0.89	2.66	1.93	1.74	0.97
7	1.90	2.12	0.67	1.83	2.77		1.25	0.92	2.55	2.18	1.67	0.80
8	1.52	1.97	0.90	1.90	2.94			1.14	2.32	1.94	1.50	1.05
9	1.27	1.68	1.23	1.90			1.54	1.20	2.08	1.98	0.97	1.02
10	1.59	1.28	1.23	1.75		F	1.43	0.94	2.36	1.75	0.81	1.00
11	2.32	0.91	0.90	1.98			1.12	0.80	2.35	1.36	0.57	1.20
12	2.49	0.79	0.72	2.29			0.96	0.45	2.19	1.11	0.72	1.40
13	2.39	0.76	0.88	2.37			0.80	0.64	1.93	1.07	0.87	1.32
14	2.25	0.68	0.79	2.56			0.64	1.04	1.63	1.23	1.17	1.27
15	2.14	0.47	1.00	2.87	F	3.85	0.84	1.03	1.57	1.17	1.53	
16	1.98	0.17	1.78	2.76	3.61		0.80	1.16	1.62	1.40	1.63	
17	1.48	0.29	2.57	2.68	3.31		1.08	1.20	1.53	1.33	1.83	1.24
18	1.32	0.72	2.83	2.68	3.20		1.08	0.99	1.45	1.18	2.02	1.11
19	1.96	1.19	2.45	2.92	3.42	F	1.34	0.98	1.72	1.27	2.23	1.30
20	2.10	1.47	2.10	2.97	3.53	1.31	0.92	0.85	1.91	1.19	2.33	2.17
21	1.59	1.62	1.98	2.75	3.94	0.95	1.12	1.03	1.92	1.48	2.13	2.60
22	1.80	1.97	1.97	2.43	4.39	1.05	1.34	1.03	2.02	1.77	1.73	2.45
23	0.62	2.23	1.87	2.11		0.97	1.24	1.09	2.24	2.06	1.55	2.15
24	1.06	2.25	1.64	1.92		1.12	1.06	1.40	2.03	2.23	0.67	1.76
25	1.91	2.23	1.45	2.37		1.19	0.85	1.67	1.63	2.46	0.23	1.25
26	2.05	2.13	1.49	2.77		1.13	0.85	1.68	1.28	2.52	0.38	1.13
27	1.96	1.69	1.48	3.08		1.42	0.77	1.93	1.41	2.59	0.80	1.45
28	1.94	1.23	1.19	3.07		1.64	0.77	1.95	1.58	2.67	1.14	1.85
29	1.99	-----	1.25	2.98		1.71	0.97	1.63	1.99	2.90	1.50	1.18
30	2.24	-----	0.83	-----		1.67	0.92	1.50	2.13	3.07	1.71	1.20
31	2.47	-----	0.92	-----		-----	1.21	1.82	-----	3.22	-----	1.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.77	1.52	1.51	2.24	3.42	1.29	1.08	1.18	2.00	1.95	1.48	1.41
MAX	2.49	2.38	2.83	3.08	4.39	1.71	1.68	1.95	2.66	3.22	2.95	2.60
MIN	0.62	0.17	0.67	0.66	2.77	0.95	0.64	0.45	1.28	1.07	0.23	0.79
DAYS	31	28	31	29	12	12	30	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 324

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.67.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 4.42 AT 9:40 A.M. ON MAY 22.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.09 ON AUG 11.

## DAILY STAGE FOR 1991

## RESERVE CANAL NEAR LAKE MAUREPAS (LA.)

LOCATION. LAT. 30-10-08, LONG. 90-33-00. ON WEST BANK OF CANAL ABOUT 0.3 MILE FROM LAKE MAUREPAS.  
(STA. 8527506.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1979 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 5.50 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985.  
LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.18 FEET ON DEC. 25, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		1.84	1.44	0.64	3.17		1.25 E	1.34	2.03	2.22	2.65	1.68
2		1.67	1.83	0.52	2.83	2.08 E	1.27 E	1.50	2.12	2.29	1.98	1.68
3		1.38	1.71	0.93	2.68		1.21 E	1.38	2.28	2.20	1.97	1.44
4		1.19	1.10	1.50	2.59		1.00 E	1.07	2.42	2.09	1.67	0.83
5		1.90	0.45	1.62	2.60		1.12 E	1.10	2.49	1.99	1.68	0.68
6		1.75	0.40	1.62	2.38		1.30 E	1.06	2.47	1.87	1.67	0.87
7		1.52	0.37	1.63	2.28	2.25 E	1.70 E	1.06	2.33	2.10	1.61	0.88
8		1.20	1.00	1.76	2.85	2.52 E	1.49 E	1.05	1.91	1.90	1.50	0.90
9		0.83	1.19	1.77	2.95	2.70 E	1.28 E	0.85	1.88	1.95	0.93	0.88
10		0.60	1.04	1.67	3.09	2.98 E	1.10 E	0.68	2.32	1.72	0.75	0.87
11		0.61	0.53	1.86	2.93	3.05 E	1.01 E	0.55	2.33	1.32	0.53	1.10
12		0.65	0.62	2.17	2.82	2.76 E	0.88 E	0.28	2.09	1.07	0.62	1.26
13		0.62	0.80	2.21	2.68	2.51 E	0.67 E	0.51	1.79	0.98	0.76	1.20
14		0.56	0.51	2.32	2.54	2.33 E	0.66 E	0.90	1.55	1.15	1.07	1.15
15		-0.03	0.87	2.67	2.41	2.22 E	0.67 E	0.94	1.51	1.12	1.45	1.04
16		-0.58	1.61	2.47	2.39	2.05 E	0.96 E	1.07	1.53	1.28	1.58	1.23
17		0.37	2.39	2.37	2.29		1.09 E	1.10	1.43	1.25	1.74	1.06
18		0.61	2.58	2.32	2.37		0.92 E	0.88	1.39	1.10	1.94	0.94
19		1.08	2.03	2.44	2.73	1.16 E	0.90 E	0.74	1.71	1.20	2.18	1.07
20		1.37	1.72	2.49	2.80	1.07 E	1.05 E	0.77	1.71	1.14	2.35	2.13
21		1.30	1.72	2.05	3.36	0.75 E	1.35 E	1.02	1.73	1.38	1.98	2.59
22		1.58	1.68	1.78	3.94 E	0.80 E	1.36 E	0.91	1.89	1.72	1.63	2.30
23		1.12	1.66	1.77		0.78 E	1.15 E	1.00	2.07	1.98	1.51	2.02
24		0.96	1.45	1.76		0.94 E	1.00 E	1.36	1.89	2.19	0.60	1.53
25		1.11	1.29	2.29 F	3.70 E	0.90 E	0.97 E	1.54	1.54	2.42	0.14	1.07
26		1.04	1.35	2.57	3.45 E	0.88 E	0.92 E	1.55	1.23	2.50	0.33	1.00
27		0.83	1.37	2.98	3.11 E	1.11 E	0.79 E	1.87	1.32	2.54	0.66	1.32
28		0.88	1.08	2.61	2.71 E	1.24 E	1.00 E	1.75	1.49	2.60	1.01	1.69
29		-----	1.42	2.61	2.58 E	1.30 E	0.99 E	1.57	1.99	2.83	1.39	1.00
30		-----	0.70	3.12	2.37 E	1.25 E	1.12	1.48	2.05	3.00	1.62	1.06
31 F	2.02	-----	0.80	-----	2.27	----- E	1.36	1.79	-----	3.06	-----	1.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.02	1.00	1.25	2.02	2.79	1.72	1.08	1.12	1.88	1.88	1.38	1.28
MAX	2.02	1.90	2.58	3.12	3.94	3.05	1.70	1.87	2.49	3.06	2.65	2.59
MIN	2.02	-0.58	0.37	0.52	2.27	0.75	0.66	0.28	1.23	0.98	0.14	0.68
DAYS	1	28	31	30	29	23	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 326

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.58.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS MINUS 0.65 ON FEB 16.

DAILY STAGE FOR 1991  
AMITE RIVER AT CLIO, LA.

LOCATION. LAT. 30-18-35, LONG. 90-36-45. ON WHARF APPROXIMATELY 300 FEET NORTH OF HIGHWAY 22.  
(STA. 8528006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 22, 1987 TO DATE.

EXTREMES. HIGHEST, 4.57 FEET ON MAY 23, 1991. LOWEST, MINUS 0.10 FEET ON NOV. 6, 1988, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.28	1.98	1.92	0.76	3.44	2.29	1.56	1.45	2.11	2.31	2.77	1.83
2	1.20	1.88	2.07	0.64	3.13	2.00	1.59	1.35	2.21	2.36	2.03	1.84
3	1.21	1.62	1.97	1.24	3.01	1.54	1.35	1.26	2.37	2.31	1.86	1.51
4	1.36	1.41	1.30	1.69	3.00	1.26	0.99	1.01	2.52	2.20	1.47	0.75
5	1.37	2.14	0.73	1.77	2.93	1.05	1.02	0.81	2.64	2.08	1.73	0.76
6	1.80	2.01	0.71	1.80	2.59	1.23	1.03	0.88	2.63	1.73	1.76	1.00
7	1.79	1.74	0.56	1.81	2.43	2.25	1.20	0.92	2.48	2.08	1.69	1.03
8	1.20	1.34	0.99	1.99	3.31	2.61	1.63	1.09	2.08	1.95	1.40	1.07
9		1.05	1.34	1.97	3.28	2.88	1.42	1.16	1.96	1.99	0.94	1.11
10	1.92	0.80	1.08	1.73	3.37	3.29	1.17	0.94	2.39	1.81	0.86	1.01
11	2.54	0.80	0.73	2.07	3.25	3.31	0.99	0.78	2.42	1.45	0.66	1.24
12	2.08	0.85	0.86	2.42	3.16	3.03	0.88	0.42	2.16	1.19	0.74	1.40
13	1.71	0.90	1.06	2.48	3.05		0.76	0.61	1.88	1.12	0.91	1.35
14	1.55	0.71	0.70	2.62	2.92	2.56	0.60	1.04	1.65	1.29	1.23	1.19
15	1.80		0.93	2.92	2.91	2.41	0.76	1.06	1.61	1.17	1.59	0.95
16	1.56		1.77	2.66	2.63	2.19	0.76	1.24	1.63	1.36	1.68	1.26
17	1.30	0.59	2.70	2.57		1.86	1.03	1.24	1.52	1.32	1.86	1.20
18	1.22	0.86	2.85	2.62	2.53	1.51		1.00	1.47	1.19	2.07	1.08
19	2.08	1.41	2.25	2.69	2.94	1.25		0.77	1.67	1.28	2.31	1.21
20	1.86	1.49	1.96	2.59	2.96	1.17		0.80	1.73	1.20	2.43	2.28
21	1.05	1.56	1.92	2.23	3.49			0.96	1.82	1.49	2.08	2.83
22	0.49	1.92	2.01	2.00	4.10		1.30	0.96	1.97	1.81	1.74	2.44
23	0.75	1.40	1.84	1.91	4.28		1.20	1.01	2.20	2.13	1.59	2.10
24	1.34	1.33	1.61	1.85	4.33		1.01	1.32	2.01	2.32	0.64	1.58
25	2.10	1.41	1.46	2.35	3.89	1.08		1.60	1.46	2.59	0.24	1.20
26	2.01	1.28	1.53	2.88	3.72		0.81	1.61	1.28	2.65	0.39	1.08
27	1.82	1.07	1.65	3.27	3.38		0.73	1.96	1.36	2.69	0.88	1.42
28	2.00	1.13	1.26	2.91	3.00	1.53		1.90	1.59	2.78	1.19	1.84
29	2.12	-----		2.92	2.80	1.58		1.65	2.04	3.04	1.55	1.10
30	2.46	-----	0.63	3.26	2.62	1.55		1.57	2.11	3.19	1.76	1.17
31	2.21	-----	0.85	-----	2.50	-----	1.13	1.84	-----	3.23	-----	1.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.64	1.33	1.44	2.22	3.16	1.98	1.05	1.17	1.97	1.98	1.47	1.39
MAX	2.54	2.14	2.85	3.27	4.33	3.31	1.63	1.96	2.64	3.23	2.77	2.83
MIN	0.49	0.59	0.56	0.64	2.43	1.05	0.60	0.42	1.28	1.12	0.24	0.75
DAYS	30	26	30	30	30	23	26	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 348

THE MEAN STAGE FOR THE YEAR WAS 1.74.

HIGHEST STAGE WAS 4.57 AT 6:00 P.M. ON MAY 23.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.05 ON FEB 15.

## DAILY STAGE FOR 1991

TICKFAM RIVER NEAR SPRINGFIELD, LA.

LOCATION. LAT. 30-22-36, LONG. 90-33-02. HIGHWAY 22 BRIDGE, 3.7 MILES SOUTH OF  
SPRINGFIELD. (STA. 8530006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 22, 1947, TO DATE.

EXTREMES. HIGHEST, 6.46 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.43 FEET ON  
DEC. 19, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.67	2.25	2.42	1.14	3.84	2.69	1.90	1.85	2.45	2.64	3.15	2.25
2	1.65	2.18	2.48	1.01	3.47	2.40	1.99	1.75	2.55	2.72	2.25	2.30
3	1.65	1.92	2.34	1.59	3.35	1.96	1.77	1.67	2.69	2.69	2.17	1.93
4	1.71	1.77	1.55	2.06	3.27	1.70	1.54	1.45	2.86	2.57	1.71	1.09
5	1.76	2.59	1.13	2.13	3.38	1.47	1.45	1.20	2.97	2.49	2.05	1.15
6	2.22	2.46	1.23	2.17	2.93	1.53	1.40	1.26	2.96	2.00	2.13	1.36
7	2.20	2.15	0.91	2.20	2.69	2.55	1.71	1.32	2.82	2.43	2.07	1.40
8	1.60	1.72	1.21	2.44	3.52	2.94	2.08	1.49	2.40	2.31	1.76	1.47
9	1.66	1.45	1.70	2.42	3.76	3.25	1.78	1.59	2.30	2.36	1.35	1.47
10	2.27	1.25	1.37	2.02	3.95	3.70	1.55	1.35	2.76	2.24	1.25	1.42
11	2.92	1.14	1.08	2.43	3.87	3.73	1.39	1.08	2.80	1.86	1.05	1.62
12	2.41	1.21	1.30	2.83	3.86	3.44	1.28	0.83	2.54	1.65	1.18	1.81
13	1.99	1.28	1.51	2.84	3.70	3.14	1.20	1.00	2.25	1.55	1.32	1.74
14	1.88	1.15	1.12	3.00	3.48	2.94	1.02	1.44	2.04	1.76	1.64	1.67
15	2.19	0.15	1.30	3.37	3.29	2.82	1.25	1.47	1.99	1.65	2.01	1.17
16	1.97	-0.18	2.11	3.05	3.01	2.60	1.10	1.65	2.01	1.75	2.13	1.58
17	1.70	0.93	3.12	2.97	2.86	2.26	1.43	1.60	1.91	1.68	2.29	1.62
18	1.54	1.21	3.21	3.02	2.94	1.93	1.50	1.41	1.87	1.55	2.51	1.49
19	2.48	1.73	2.59	3.10	3.34	1.60	1.43	1.18	2.02	1.66	2.77	1.59
20	2.20	1.70	2.32	2.95	3.33	1.58	1.35	1.13	2.01	1.57	2.85	2.62
21	1.38	1.86	2.29	2.53	3.81	1.28	1.50	1.37	2.15	1.87	2.49	3.29
22	0.80	2.39	2.43	2.35	4.43	1.35	1.69	1.38	2.31	2.22	2.17	2.85
23	1.10	1.61	2.25	2.28	4.59	1.34	1.58	1.40	2.57	2.54	2.05	2.51
24	1.75	1.70	1.97	2.20	4.74	1.48	1.40	1.70	2.40	2.75	1.00	1.96
25	2.46	1.87	1.82	2.75	4.24	1.49	1.26	1.94	1.80	2.98	0.70	1.50
26	2.39	1.60	1.93	3.31	4.09	1.50	1.22	2.00	1.70	3.05	0.81	1.46
27	2.22	1.51	2.13	3.67	3.76	1.67	1.15	2.29	1.72	3.06	1.23	1.76
28	2.44	1.55	1.69	3.31	3.37	1.85	1.13	2.27	1.98	3.15	1.59	2.27
29	2.49	-----	1.83	3.37	3.20	1.95	1.29	2.05	2.43	3.42	1.96	1.53
30	2.88	-----	0.90	3.63	3.04	1.92	1.27	1.99	2.45	3.55	2.19	1.55
31	2.52	-----	1.22	-----	2.92	-----	1.53	2.20	-----	3.60	-----	1.52

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.00	1.58	1.82	2.60	3.55	2.20	1.46	1.56	2.32	2.37	1.86	1.77
MAX	2.92	2.59	3.21	3.67	4.74	3.73	2.08	2.29	2.97	3.60	3.15	3.29
MIN	0.80	-0.18	0.90	1.01	2.69	1.28	1.02	0.83	1.70	1.55	0.70	1.09
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.09.  
 HIGHEST STAGE WAS 4.97 AT 8:00 P.M. ON MAY 23.  
 LOWEST STAGE WAS MINUS 0.34 ON FEB 16.

## DAILY STAGE FOR 1991

PONCHATOULA CREEK AT HAMMOND, LA.

LOCATION. LAT. 30-30-24, LONG. 90-26-50. ON U. S. HIGHWAY 190 BRIDGE. (STA. 8532506.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. APR. 15, 1948, TO DATE.

EXTREMES. HIGHEST, 39.11 FEET ON APR. 21, 1977. LOWEST, CHANNEL DRY ON OCT. 7, 1957, AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			F 23.62	F 19.91			F 19.93					
2	F 19.86		H 26.88									F 20.10
3			F 23.55			F 19.90						
4		F 20.07	F 20.67		H 25.34				F 19.97		F 19.88	
5		H 29.62						F 19.84				
6												
7							H 26.98			F 19.81		
8	F 19.93				H 28.02		H 24.72					
9				F 19.95	H 28.94							
10	F 23.55			H 26.15	F 19.89				F 19.84			F 20.00
11	H 24.38											
12			F 19.92					F 19.81				
13		F 19.90			F 20.22							
14				H 25.29							F 19.79	
15	F 20.56			F 23.52			F 19.97			F 19.94		
16				F 20.60					F 19.79			F 19.85
17						H 26.00						
18			F 20.66	H 26.11							F 19.80	
19		F 19.86										
20					F 20.28			F 19.82				
21		F 23.55										
22	F 19.91	H 27.04										
23				F 21.28						F 19.94		
24						F 20.48	F 20.22					F 19.85
25			F 19.92	H 25.18							F 20.00	
26		F 20.02						F 19.81				
27												
28	F 20.43				F 20.21							
29		-----		H 26.19			F 19.91					
30		-----		F 21.67					F 19.96	F 20.05		
31		-----		-----		-----			-----	-----	F 19.82	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.23	22.87	22.17	22.97	24.17	21.57	21.95	19.82	19.89	19.93	19.87	19.92
MAX	24.38	29.62	26.88	26.19	28.94	26.00	26.98	19.84	19.97	20.05	20.00	20.10
MIN	19.86	19.86	19.92	19.91	20.21	19.89	19.91	19.81	19.79	19.81	19.79	19.82
DAYS	7	7	7	10	7	4	6	4	4	4	4	5

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 69

F=NOT AT STATED TIME H=PEAK STAGE

THE MEAN STAGE FOR THE YEAR WAS 21.72.

HIGHEST STAGE WAS 29.62 AT 11:30 A.M. ON FEB 5.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 19.79 ON SEP 16 AND LATER DATE(S).

## DAILY STAGE FOR 1991

PONCHATOLA CREEK NEAR PONCHATOLA, LA.

LOCATION. LAT. 30-27-21 LONG. 90-27-24. ON U. S. HIGHWAY 51 BRIDGE, 1.7 MILES NORTHWEST OF  
PONCHATOLA. (STA. 8535006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. APR. 1, 1948, TO DATE.

EXTREMES. HIGHEST, 17.37 FEET ON JUNE 7, 1950. LOWEST, MINUS 0.93 FOOT ON JUNE 27, 1977.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.93	1.63	1.54	0.50	3.19	1.96	1.12	1.01	1.69	1.84	2.51 H	1.90
2	0.92	1.50		0.26	2.73	1.67	1.26 H	1.39 H	2.48	1.97	1.62 F	1.53
3	0.98	1.25		0.71	2.56	1.20	1.02 H	1.30 F	2.17	1.98		
4	0.90	1.08 F	1.33	1.21 H	8.70	1.00 H	1.40 H	1.10 F	2.09	1.86 F	0.99	
5	1.02		0.75	1.27	2.90	0.78 H	1.60 F	0.43	2.24	1.79	1.25	
6	H 2.02		0.68	1.31	2.28	0.80 H	2.09 H	0.93 H	5.14	1.18	1.32	
7	1.54		0.56	1.42	1.92	1.78 H	10.52 H	1.03	2.12	1.62	1.25	
8	0.81		0.56	1.62 H	10.60	2.17	5.07 F	0.73	1.69	1.48	0.87	
9	0.90		0.97	1.62 H	11.22	2.49	2.31 H	1.14	1.52			
10	2.90		0.82	1.30	8.11	2.84 F	1.36 H	0.96	1.97		F 0.96	
11	H 5.69		0.50	1.58	3.69 H	3.48			1.99			0.80
12	2.05		0.49	2.00	2.99 H	4.22	F 0.21	1.73 F	1.48			0.99
13	1.29 F	0.83	0.91	2.01	2.71	2.49		1.45 F	0.72			0.92
14	F 1.05		0.47	2.21	2.52	2.28		1.22 H	0.94	0.94		1.05
15	F 1.57		0.50 H	8.00	2.42	2.13 F	0.55	1.20	0.95	1.20 F	0.62	
16	1.22		1.41	2.41	2.23 H	2.92		1.23	0.91	1.29 F	0.78	
17	0.80	H	4.64	2.22	2.10 H	4.52 H	0.98	1.12	0.88	1.44		
18	0.71		2.70 H	9.19 H	5.09	2.46 H	1.01	1.05	0.77	1.68		
19	H 2.20 F	0.97	1.89	3.00	2.72	1.22 H	0.89	1.18	0.84	1.90		
20	1.53 H	3.48	1.54	2.30	2.55 F	1.17 H	0.81 F	0.61	1.21	0.79 H	2.91	
21	0.70	1.62	1.50	1.81	3.39 H	2.41 H	1.00 F	0.73	1.35	1.07 H	2.33	
22	0.23 H	10.10	1.64	1.57	3.60 H	3.11	0.65 F	0.73	1.54	1.41	1.30	
23	0.19	1.75	1.43	1.71 H	4.30	1.39	F 0.73	1.84 F	1.81	1.22		
24		0.91	1.19	1.44	3.99	1.01 H	1.05	0.90	1.98 F	0.67 F	1.17	
25		0.92	1.03 H	5.70	3.48	0.83	0.74	1.14	2.18 F	0.26 F	0.77	
26		0.73	1.12	2.80	3.50	0.78 F	0.74	1.20	2.24			
27		0.57	1.33	3.08	3.02 H	2.52		1.41	2.23 F	0.40		
28	F 1.70	0.56	0.87	2.59	2.65	1.32 H	1.44	1.50	2.31	0.71		
29	1.70	-----	H 2.49 H	6.72	2.45	1.20 F	0.50	1.22	2.62	1.11		
30	H 4.28	-----		4.11	2.30	1.12		3.63	2.62	1.32		
31	2.54	-----		-----	2.18	-----	0.72 H	2.10	1.61 H	2.82	F 0.82	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.57	1.86	1.29	2.59	3.81	1.97	1.69	1.14	1.78	1.67	1.33	1.03
MAX	5.69	10.10	4.64	9.19	11.22	4.52	10.52	3.63	5.14	3.04	2.91	1.90
MIN	0.19	0.56	0.47	0.26	1.92	0.78	0.50	0.21	1.05	0.72	0.26	0.62
DAYS	27	15	27	30	31	30	23	23	24	28	23	12

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 293  
 F=NOT AT STATED TIME H=PEAK STAGE  
 THE MEAN STAGE FOR THE YEAR WAS 1.90.  
 HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 11.22 AT 4:00 P.M. ON MAY 9.  
 LOWEST STAGE WAS 0.17 ON APR 2.

## DAILY STAGE FOR 1991

YELLOW WATER RIVER CANAL NEAR HAMMOND, LA.

LOCATION. LAT. 30-30-19, LONG. 90-30-25. ON U.S. HIGHWAY 190 BRIDGE. (STA. 8540006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1980 GAGE WAS 500 FEET UPSTREAM.

RECORDS AVAILABLE. APR. 9, 1948, TO DATE.

EXTREMES. HIGHEST, 36.99 FEET ON SEP. 27, 1964. LOWEST, CHANNEL DRY ON FEB. 12, 1955, AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		19.69 H	23.54 F	18.80	20.12		F 18.79					
2	F 18.80	19.41 H	24.20		F 19.61							F 18.64
3			22.00			F 18.98						
4		F 19.15	20.00		H 23.20				F 18.70		F 18.46	
5		H 27.05	19.59		20.25		H 20.18 F 18.66					
6	H 19.10	21.49 F	19.40				F 19.61					
7		20.15					H 25.45			F 18.48		
8	F 18.96				H 26.38		21.89					
9		F 19.60		F 18.81	H 27.12		19.97					
10		20.56			H 25.64 F 18.86				F 18.60			F 18.67
11	H 24.15				21.60	19.40						
12	20.47		F 18.87		19.94 F 19.40		F 18.67					
13	19.90 F 19.10				F 19.48 H 20.40							
14	19.78			F 19.58		19.52					F 18.47	
15	F 19.77			H 23.02			F 18.80			F 18.57		
16				F 19.44		19.55			F 18.50			F 18.48
17						H 24.70						
18			F 19.75 H 24.47 H 22.08		20.54 H 20.90							
19		F 19.02	19.39	20.52	20.01 H 20.23						F 18.48	
20		H 21.40	19.23	19.60 F 19.56				F 18.64			H 20.99	
21					H 20.60 H 20.61							
22	F 19.02 H 20.42				19.73 H 20.70							
23	F 19.21	20.51		H 19.94 F 19.42		19.80 H 20.07				F 18.67		
24	H 23.17	19.89			F 19.33 F 19.32							F 18.54
25	20.75	19.64 F 18.86 H 24.61 H 20.89									F 18.49	
26	19.78 F 19.21			20.69	20.13 F 19.61		F 18.56					
27	19.48			20.22	19.99 H 22.82							
28	19.70			F 19.58 F 19.43								
29	19.50	-----	H 20.10 F 24.33				F 18.75					
30	H 22.62	-----		22.25					F 18.48 F 18.77			
31	20.54	-----		-----		-----					----- F 18.45	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.28	20.67	20.41	21.06	21.25	20.28	20.34	18.63	18.57	18.62	18.98	18.56
MAX	24.15	27.05	24.20	24.61	27.12	24.70	25.45	18.67	18.70	18.77	20.99	18.67
MIN	18.80	19.02	18.86	18.80	19.42	18.86	18.75	18.56	18.48	18.48	18.46	18.45
DAYS	19	17	12	15	20	16	11	4	4	4	5	5

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 132

F=NOT AT STATED TIME H=PEAK STAGE

THE MEAN STAGE FOR THE YEAR WAS 20.32.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 27.12 AT 5:30 P.M. ON MAY 9.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 18.45 ON DEC 31.

## DAILY STAGE FOR 1991

PASS MAMCHAC NEAR PONCHATOULA, LA.

LOCATION. LAT. 30-16-53, LONG. 90-24-01. ON PILING 60 FEET EAST OF SOUTH END OF U. S. HIGHWAY 51 BRIDGE, NINE MILES SOUTH OF PONCHATOULA. (STA. 8542006.)

GAGE. AUTOMATIC RECORD AND STAFF.

RECORDS AVAILABLE. JULY 11, 1955 TO DATE.

EXTREMES. HIGHEST, 5.40 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985. LOWEST, MINUS 2.00 FEET ON JAN. 21, 1961.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.22	1.85	1.82	0.57	3.07	1.97	1.28	1.32	2.07	2.26	2.42	1.74
2	1.18	1.66	1.97	0.40	2.64	1.71	1.36	1.25	2.10	2.33	1.58	1.77
3	1.20	1.34	1.71	0.96	2.56	1.29	1.15	1.18	2.23	2.18	1.67	1.45
4	1.29	1.20	0.82	1.45	2.46	1.13	0.96	0.96	2.43	2.08	1.30	0.64
5	1.30	1.90	0.40	1.51	2.56	0.87	0.84	0.74		2.00	1.59	0.70
6	1.67	1.74	0.50	1.54	2.08	1.09	0.87	0.78		1.59	1.66	0.95
7	1.58	1.42	0.33	1.55	2.09	2.08	1.12	0.82		1.96	1.61	1.00
8	1.01	1.04	0.75	1.86	2.79	2.49	1.33	0.93		1.85	1.35	1.08
9	1.07	0.80	1.19	1.80	3.02	2.66	1.12	0.97		1.89	0.89	1.10
10	1.76	0.65	0.79	1.48	2.90	3.07	0.89			1.75	0.83	1.02
11	2.34	0.66	0.57	1.89	2.76	3.02	0.74	0.51		1.37	0.63	1.23
12	1.64	0.78	0.76	2.31	2.59	2.70	0.66	0.30		1.19	0.75	1.40
13	1.34	0.85	1.05	2.39	2.42	2.39	0.57	0.52		1.09	0.90	1.36
14	1.24	0.69	0.68	2.51	2.31	2.23	0.43	0.98		1.31	1.20	1.10
15	1.54	-0.43	0.88	2.70	2.37	2.11	0.67	0.99		1.18	1.55	0.88
16	1.49	-0.52	1.61	2.32	2.15	1.93	0.59	1.18		1.30	1.60	1.09
17	1.28	0.50	2.63	2.24	2.10	1.63	0.87	1.18	1.47	1.26	1.69	1.08
18	1.10	0.75	2.61	2.33	2.27	1.34	0.98	0.92	1.43	1.10	1.94	0.98
19	2.11	1.19	1.85	2.30	2.60	1.12	0.86	0.73	1.57	1.20	2.24	1.15
20	1.62	1.17	1.63	2.24	2.66	1.03	0.80	0.73	1.61	1.12	2.33	2.26
21	0.81	1.20	1.65	1.81	3.40	0.72	0.97	0.89	1.72	1.40	1.93	2.88
22	0.30	1.55	1.77	1.66	3.94	0.85	1.13	0.85	1.92	1.74	1.65	2.43
23	0.59	0.80	1.61	1.68	4.01	0.79	1.01	0.92	2.05	2.06	1.57	2.12
24	1.38	0.98	1.37	1.66	4.00	0.95	0.86	1.19	1.94	2.28	0.48	1.53
25	2.00	1.07	1.27	2.08	3.42	0.86	0.72	1.45	1.42	2.51	0.21	1.19
26	1.87	0.94	1.40	2.86	3.32	0.86	0.69	1.47	1.27	2.60	0.37	1.12
27	1.72	0.96	1.59	3.12	2.96	1.07	0.55	1.79	1.31	2.64	0.81	1.36
28	2.00	1.02	1.20	2.59	2.56	1.21	0.58	1.77	1.52	2.73	1.11	1.80
29	2.12	-----	1.43	2.61	2.46	1.25	0.75	1.62	2.01	2.95	1.47	1.04
30	2.50	-----	0.49	3.13	2.29	1.24	0.72	1.58	2.09	3.14	1.68	1.12
31	1.99	-----	0.72	-----	2.16	-----	1.03	1.81	-----	3.01	-----	1.18

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.49	0.99	1.26	1.99	2.74	1.59	0.87	1.08	1.79	1.91	1.37	1.35
MAX	2.50	1.90	2.63	3.13	4.01	3.07	1.36	1.81	2.43	3.14	2.42	2.88
MIN	0.30	-0.52	0.33	0.40	2.08	0.72	0.43	0.30	1.27	1.09	0.21	0.64
DAYS	31	28	31	30	31	30	31	30	18	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352  
 THE MEAN STAGE FOR THE YEAR WAS 1.53.  
 HIGHEST STAGE WAS 4.40 AT 7:00 P.M. ON MAY 23.  
 LOWEST STAGE WAS MINUS 0.86 ON FEB 16.

## DAILY STAGE FOR 1991

BAYOU BONFOUCA AT SLIDELL, LA.

LOCATION. LAT. 30-16-18, LONG. 89-47-39. ABOUT 30 FEET UPSTREAM FROM HIGHWAY 433 BRIDGE.  
(STA. 8554003.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. AUG. 17, 1962, TO DATE.

EXTREMES. HIGHEST, 6.8 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 0.6 FOOT ON  
FEB. 15, 1963.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.8	1.0	1.4	0.8	1.3	1.5	1.0	0.5	1.0	1.0	2.7	1.0
2	0.8	1.0	1.5	1.0	1.2	1.3	1.4	1.0	1.0	0.8	1.0	1.2
3	0.8	1.0	1.0	1.0	1.2	1.3	1.7	1.0	1.0	0.8	1.0	1.3
4	1.0	1.1	0.6	1.0	1.0	1.7	3.6	1.0	1.0	1.0	1.0	1.3
5	1.0	1.1	0.0	0.8	1.2	1.5	3.4	1.0	0.8	1.0	0.8	1.2
6	1.0	1.2	0.6	0.8	1.2	1.8	3.2	1.0	0.8	0.8	0.8	1.2
7	1.0	1.2	0.5	1.0	1.3	1.8	3.6	0.8	1.0	0.8	0.8	1.0
8	1.2	1.0	0.5	1.2	2.0	2.0	2.7	0.8	1.0	1.0	1.0	1.0
9	1.2	1.0	0.5	1.2	2.3	2.7	2.7	1.0	1.0	1.0	1.0	1.2
10	1.3	1.0	0.5	1.0	2.3	2.7	2.5	1.0	1.0	1.0	1.0	1.1
11	1.3	1.0	0.5	1.0	1.7	2.7	2.5	0.8	0.8	0.8	1.0	1.0
12	1.2	0.8	0.8	1.0	1.3	2.5	2.0	0.8	0.8	0.8	0.8	1.0
13	1.0	0.8	1.0	0.8	1.3	2.5	2.0	1.0	0.5	1.0	0.8	0.8
14	1.0	1.0	1.0	1.0	1.1	2.0	2.6	1.0	0.5	1.0	0.5	0.8
15	1.2	1.0	1.0	1.0	1.2	2.0	2.5	1.0	0.8	1.0	0.5	1.0
16	1.2	0.8	1.2	1.0	1.2	2.0	2.5	0.6	0.8	0.8	0.8	1.0
17	1.0	1.0	1.0	1.1	1.0	1.9	2.0	0.6	1.0	0.8	1.0	1.0
18	1.2	1.0	1.2	1.2	1.0	1.9	2.0	0.6	1.0	1.0	1.2	0.8
19	1.2	1.0	1.2	1.2	1.5	1.5	1.7	0.6	1.3	1.0	1.2	0.8
20	0.8	1.2	1.2	1.0	2.0	1.5	1.7	0.8	1.3	1.5	1.2	1.0
21	0.5	1.2	1.2	1.0	2.5	1.7	1.5	0.8	1.2	1.7	1.5	1.0
22	0.0	1.3	1.0	1.0	3.0	1.7	1.5	1.0	1.0	1.7	1.5	1.0
23	0.8	1.2	1.0	1.2	3.7	1.7	1.3	1.0	1.0	2.0	1.0	0.8
24	1.3	1.0	1.0	1.2	3.6	1.5	1.3	1.0	0.6	1.7	1.0	1.0
25	1.3	1.0	1.0	1.3	3.4	1.5	1.0	1.0	0.6	1.7	1.0	1.0
26	1.2	1.0	0.8	1.3	3.0	1.3	1.0	1.0	0.8	2.7	1.0	1.0
27	1.3	0.8	0.8	1.0	2.5	1.3	1.0	1.0	0.8	2.7	0.8	0.8
28	1.2	0.8	0.5	1.2	2.5	1.3	0.8	0.8	1.0	2.7	0.8	0.8
29	1.2	-----	0.5	1.2	2.0	1.0	0.8	0.8	1.0	2.9	1.0	1.0
30	1.3	-----	0.8	1.3	1.8	1.0	0.8	0.5	1.0	2.9	1.0	1.0
31	1.0	-----	0.8	-----	1.8	-----	0.5	0.5	-----	2.9	-----	1.2

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.0	1.0	0.9	1.1	1.9	1.8	1.9	0.8	0.9	1.4	1.0	1.0
MAX	1.3	1.3	1.5	1.3	3.7	2.7	3.6	1.0	1.3	2.9	2.7	1.3
MIN	0.0	0.8	0.0	0.8	1.0	1.0	0.5	0.5	0.5	0.8	0.5	0.8
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 1.2.  
 HIGHEST STAGE WAS 3.7 ON MAY 23.  
 LOWEST STAGE WAS 0.0 ON JAN 22 AND LATER DATE(S).

## DAILY STAGE FOR 1991

LAKE PONTCHARTRAIN AT FRENIER, LA.

LOCATION. LAT. 30-06-22, LONG. 90-25-17. GAGE INTAKE AND STAFF ON STRUCTURE 1,200 FEET OFF SHORE FROM SERVICE ROAD, REMOTE RECORDER ON SHORE. (STA.8555006.)

GAGE. AUTOMATIC RECORDER WITH BUBBLER EQUIPMENT AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD. PRIOR TO 1957, GAGE ZERO WAS ERRONEOUSLY REPORTED AS MINUS 10.08 FEET, M.S.L.

RECORDS AVAILABLE. SEP. 1931 TO SEP. 1965, AND JAN. 1969 TO DATE.

EXTREMES. HIGHEST, 12.09 FEET, FROM WATERMARK LEFT BY HURRICANE OF SEP. 10, 1965. LOWEST, MINUS 2.71 FEET ON JAN. 28, 1968. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				-0.08	2.09		0.64	0.79	2.02	2.19	1.38	1.26
2				-0.13	1.62		0.73	0.83	1.96	2.09	0.98	1.16
3					0.20	0.48	0.56	0.83	2.19	1.78	1.48	1.03
4					0.79	1.61	0.61	0.58	2.28	1.70	1.41	0.57
5			-0.47	0.86	1.42	0.49	0.40	0.36	2.10	1.50	1.71	0.58
6			-0.33	0.78	1.12	1.13	0.41	0.33	1.95	1.80	1.48	0.67
7			-0.30	0.90	1.53	2.77	0.69	0.38	1.60	1.92	1.45	0.77
8	0.30			1.13	2.13	2.71	0.78	0.35	1.21	1.72	1.42	0.67
9				1.07	2.17	2.84	0.46	0.34	1.48	1.67	1.33	0.68
10				1.20	2.20	2.96	0.20	0.01	2.09	1.49	0.91	0.81
11				1.48	1.91	2.64	0.00	-0.03	2.10	1.19	0.60	0.88
12			0.00	1.72	1.58	2.22	-0.04	-0.09	1.89	0.98	0.65	0.96
13			-0.17	1.85	1.39	1.90	-0.17	0.14	1.56	0.96	0.70	0.88
14			0.32	1.96	1.26	1.80	-0.29	0.71	1.46	1.09	1.01	0.58
15			0.72	2.21	1.12	1.66	-0.24	0.78	1.41	1.03	1.31	1.20
16			1.41	1.58	1.22	1.53	0.01	1.02	1.42	1.30	1.28	0.79
17			2.64	1.41	1.39	1.28	0.50	0.94	1.25	1.02	1.32	0.41
18			1.97	1.27	1.53	1.10	0.74	0.62	1.27	0.83	1.46	0.35
19			1.03	1.40	1.94	1.05	0.46	0.51	1.51	0.90	1.80	1.15
20			0.82	1.55	2.16	0.87	0.44	0.66	1.54	0.91	2.12	2.35
21			0.89	0.93	3.57	0.64	0.69	0.53	1.42	1.07	1.47	2.61
22			0.89	0.83	3.82	0.74	0.68	0.49	1.63	1.39	1.27	1.86
23			0.89	0.95	3.71	0.73	0.49	0.74	1.60	1.81	1.13	1.55
24			0.69	1.17	3.18	0.82	0.25	0.88	1.48	2.08	0.21	1.08
25	1.20		0.62	2.17	2.82	0.32	0.11	1.20	1.04	2.35	0.12	0.89
26			0.68	1.99	2.39	0.28	-0.02	0.99	1.07	2.48	0.35	0.68
27			0.92	2.38	1.93	0.47	-0.10	1.27	1.33	2.50	0.76	1.11
28			0.73	1.87	1.57	0.58	0.00	1.22	1.51	2.53	0.90	1.07
29		-----	0.29	1.74	1.56	0.65	0.11	1.37	1.99	2.91	1.13	0.42
30		-----	0.02	2.96	1.44	0.66	0.20	1.36	1.98	3.11	1.24	0.50
31		-----	0.21	-----	1.32	-----	0.59	1.66	-----	2.66	-----	0.63

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.75		0.63	1.34	1.94	1.31	0.32	0.70	1.64	1.71	1.15	0.97
MAX	1.20		2.64	2.96	3.82	2.96	0.78	1.66	2.28	3.11	2.12	2.61
MIN	0.30		-0.47	-0.13	1.12	0.28	-0.29	-0.09	1.04	0.83	0.12	0.35
DAYS	2	0	23	30	31	27	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 297

THE MEAN STAGE FOR THE YEAR WAS 1.18.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1991

LAKE PONTCHARTRAIN AT MANDEVILLE, LA.

LOCATION. LAT. 30-21-31, LONG. 90-05-45. ON SOUTH BOUND LANE OF LAKE PONTCHARTRAIN CAUSEWAY BRIDGE, 0.5 MILE FROM NORTH PLAZA OF BRIDGE. (STA. 8537506.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO AUG. 2, 1957, GAGE WAS LOCATED AT LOTTS WHARF. ADD 0.3 TO DAILY STAGES PRIOR TO 1955. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 26, 1931, TO DATE.

EXTREMES. HIGHEST, 7.60 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.25 FEET ON JAN. 26, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.00	1.26	1.66	-0.31	2.26		0.71	0.82	1.80	2.00	1.80	1.85
2	0.92	1.05	1.49	-0.34	1.78		0.82	0.95	1.73	2.08	0.89	1.81
3	0.87	0.56	1.16	0.28	1.78		0.66	0.88	1.78	1.75	1.15	1.58
4	0.95	0.52	-0.02	0.76	1.65		0.52	0.66	2.08	1.68	0.19	0.72
5	0.97	1.03	-0.25	0.84	1.89		0.57	0.48	1.85	1.59	0.55	0.90
6	1.24	0.98	-0.09	0.88	1.26		0.76	0.44	1.77	1.06	0.66	1.19
7	0.54	0.65	-0.31	0.94	1.44		1.01	0.42	1.42	1.42	0.44	1.29
8	0.47	0.24	0.01	1.29	2.29		0.93	0.42	1.10	1.46	0.50	1.40
9	0.46	-0.39	0.51	1.22	2.39		0.58	0.41	1.24	1.47	-0.16	1.48
10	1.19	-0.46	0.10	0.80	2.05		0.32	0.14	1.73	1.45	0.01	1.36
11	1.94	-0.02	-0.06	1.35	1.91		0.20	-0.02	1.88	1.15	0.41	1.53
12	1.07	0.23	0.16	1.83	1.66		0.10	-0.15	1.69	1.07	0.47	1.64
13	0.79	0.46	0.58	2.04	1.52		0.00	0.10	1.40	0.91	0.63	1.60
14	0.70	0.36	-0.18	2.22	1.38		-0.09	0.67	1.31	1.16	1.01	1.16
15	1.40	-1.17	0.38	2.11	1.92		0.16	0.66	1.27	0.99	1.31	0.97
16	1.00	-0.96	1.06	1.60	1.36		0.10	0.90	1.24	1.08	1.35	0.97
17	0.79	0.04	2.41	1.49	1.38		0.56	0.87	1.09	0.97	1.83	1.00
18	0.64	0.35	1.91	1.50	1.59		0.79	0.57	1.12	0.80	2.04	0.92
19	1.65	0.68	0.99	1.53	1.75		0.64	0.39	1.10	0.85	2.40	1.32
20	0.93	0.31	0.84	1.44	2.03		0.57	0.31	1.13	0.76	2.21	2.71
21	0.05	0.51	0.90	1.04	3.16		0.72	0.42	1.29	1.00	2.03	3.22
22	-0.34	0.83	1.10	0.96			0.79	0.36	1.45	1.37	1.85	2.46
23	-0.07	-0.12	0.92	1.12			0.61	0.45	1.42	1.77	1.80	2.32
24	0.92	0.34	0.71	1.12			0.45	0.69	1.46	2.03	0.69	1.55
25	1.29	0.44	0.59	2.09		0.42	0.19	0.89	1.00	2.29	0.62	1.38
26	1.16	0.32	0.73	2.69		0.38	0.20	0.90	1.05	2.44	0.73	1.25
27	1.02	0.47	1.00	2.55		0.60	0.01	1.18	1.06	2.49	1.15	1.38
28	1.55	0.52	0.75	2.17		0.68	0.13	1.31	1.26	2.53	1.43	1.77
29	1.74	-----	0.94	2.13		0.66	0.22	1.21	1.79	2.80	1.66	1.02
30	2.08	-----	-0.06	2.87		0.60	0.19	1.27	1.84	2.94	1.81	1.07
31	1.29	-----	0.02	-----		-----	0.65	1.44	-----	2.62	-----	1.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.97	0.32	0.64	1.41	1.83	0.56	0.45	0.65	1.44	1.61	1.12	1.48
MAX	2.08	1.26	2.41	2.87	3.16	0.68	1.01	1.44	2.08	2.94	2.40	3.22
MIN	-0.34	-1.17	-0.31	-0.34	1.26	0.38	-0.09	-0.15	1.00	0.76	-0.16	0.72
DAYS	31	28	31	30	21	6	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 331

THE MEAN STAGE FOR THE YEAR WAS 1.06.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.75 AT 1:00 A.M. ON MAY 22.

LOWEST STAGE WAS MINUS 1.36 ON FEB 15.

## DAILY STAGE FOR 1991

LAKE PONTCHARTRAIN AT MIDLAKE NEAR NEW ORLEANS, LA.

LOCATION. LAT. 30-11-16, LONG. 90-07-33. ON SOUTH BOUND BRIDGE OF LAKE PONTCHARTRAIN CAUSEWAY BRIDGE, 11.6 MILES NORTH OF THE SOUTH PLAZA. (STA. 8560006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. AUG. 9, 1957, TO DATE.

EXTREMES. HIGHEST, 6.14 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.28 FEET ON MAR. 6, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.75	2.44	2.21	1.26	3.55	1.97	1.62	1.71	2.46	2.81	2.85	
2	1.66	2.00	2.47	1.08	3.06	1.79	1.70	1.89	2.54	2.93	2.75	
3	1.66	1.46	2.13	1.46	2.99	1.44	1.61	1.83	2.43	2.61	2.82	
4	1.82	1.38	1.13	2.01	3.03	1.33	1.47	1.58	2.62	2.51	2.68	
5	1.71	1.86	0.75	2.09	3.00	1.13	1.40	1.45	2.66	2.37	2.33	
6	1.91	1.90		2.08	2.63	1.48	1.53	1.36	2.56	2.36	1.94	
7	1.77	1.59	0.75	2.16	2.83	2.23	1.67	1.36	2.19	3.01	2.06	
8	1.33	1.40	1.20	2.41	2.99	2.86	1.76	1.34	1.90	2.75	2.06	
9	1.26	1.09	1.70	2.42	3.07	2.60	1.48	1.35	2.06	2.56		
10	2.03	0.96	1.37	2.15	2.80	3.23	1.21	1.09	2.48	2.34		
11	2.57	0.99	1.06	2.42	2.60	3.12	1.06	0.95	2.59	1.98		
12	1.93	1.13	1.20	2.97	2.34	2.75	1.00	0.80	2.45	1.85		
13	1.77	1.16	1.57	3.14	2.22	2.42	0.93	0.93	2.19	1.77		
14	1.48	1.05	1.39	3.19	2.11	2.25	0.85	1.55	2.04	1.95		
15	1.94	0.11	1.63	3.33	2.24	2.19	0.92	1.58	2.04	1.82		
16	1.77	0.28	2.16	2.91	2.02	2.06	1.00	1.78	1.88	2.02		
17	1.63	0.57	3.19	2.75	2.04	1.79	1.40	1.75	1.88	1.86		
18	1.49	0.98	3.29	2.67	2.30	1.57	1.65	1.44	1.91	1.71		
19	2.57	1.27	2.29	2.74	2.44	1.56	1.45	1.30	2.02	1.70		
20	1.73	1.38	2.10	2.77	2.78	1.35	1.44	1.25	2.05	1.56		
21	0.56	1.17	2.16	2.31	3.96	1.10	1.64	1.33	2.07	1.78		
22	0.71	1.33	2.23	2.16	4.29	1.23	1.67	1.28	2.27	2.11		
23	0.71	1.13	2.17	2.36	4.56	1.14	1.50	1.42	2.25	2.52		
24	1.75	1.39	1.93	2.43	3.91	1.32	1.34	1.66	2.38	2.77		
25	2.23	1.53	1.85	2.87	3.30	1.31	1.10	1.90	2.08	3.01		
26	2.11	1.55	1.96	3.44	3.24	1.28	1.09	1.79	2.00	3.14		
27	1.86	1.54	2.22	3.71	2.82	1.45	0.96	2.20	2.12	3.16		
28	2.37	1.63	1.95	3.23	2.43	1.53	1.07	1.99	2.26	3.22		
29	2.32	-----	2.01	3.02	2.42	1.57	1.15	2.06	2.81	3.51		
30	2.91	-----	1.38	3.87	2.28	1.56	1.18	2.13	2.74	3.70		
31	2.37	-----	1.72	-----	2.19	-----	1.56	2.31	-----	3.37	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.80	1.30	1.84	2.58	2.85	1.82	1.34	1.56	2.26	2.48	2.44	
MAX	2.91	2.44	3.29	3.87	4.56	3.23	1.76	2.31	2.81	3.70	2.85	
MIN	0.56	0.11	0.75	1.08	2.02	1.10	0.85	0.80	1.88	1.56	1.94	
DAYS	31	28	30	30	31	30	31	31	30	31	8	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 311  
 THE MEAN STAGE FOR THE YEAR WAS 2.00.  
 HIGHEST STAGE WAS 4.69 AT 6:00 P.M. ON MAY 22.  
 LOWEST STAGE WAS MINUS 0.32 ON FEB 16.

## DAILY STAGE FOR 1991

LAKE PONTCHARTRAIN AT WEST END, LA.

LOCATION. LAT. 30-01-18, LONG. 90-06-57. THIRTY FEET EAST OF MUNICIPAL YACHT BUILDING IN WEST END HARBOR. (STA. 8562506.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO DEC. 1, 1946, GAGE WAS LOCATED 110 FEET WEST OF SOUTHERN YACHT CLUB. SUBTRACT 0.1 FOOT FROM DAILY STAGES PRIOR TO 1955. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 25, 1931, TO NOV. 30, 1946, AND MAR. 9, 1949, TO DATE.

EXTREMES. HIGHEST, 6.11 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.20 FEET ON JAN. 26 AND 27, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1985 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.19	1.63	1.37	0.26	2.41	1.31	1.01	1.13	1.82	2.18	2.45	1.39
2	1.17	1.33	1.65	0.08	1.90	1.10	1.08	1.23	1.86	2.22	1.19	1.30
3	1.45	0.81	1.54	0.41	1.82	0.78	0.98	1.18	1.97	1.90	1.66	1.35
4	1.48	0.73	0.35	0.95	1.80	0.70	0.85	0.93	2.18	1.80	1.31	0.72
5	1.23	1.26	-0.18	1.15	1.69	0.48	0.76	0.81	1.99	1.69	1.44	0.54
6	1.46	1.26	0.02	1.12	1.64	0.81	0.72	0.68	1.93	1.66	1.42	0.73
7	1.25	1.05	-0.04	1.16	1.77	2.05	1.05	0.69	1.57	1.55	1.55	0.82
8	0.89	0.79	0.53	1.36	2.29	2.31	1.16	0.66	1.22	1.68	1.78	0.95
9	0.91	0.42	0.87	1.38	2.63	2.34	0.85	0.65	1.41	1.69	1.03	0.99
10	1.53	0.32	0.58	1.23	2.31	2.58	0.59	0.40	1.91	1.59	0.81	0.93
11	2.02	0.35	0.18	1.58	2.09	2.38	0.47	0.26	2.17	1.28	0.61	1.12
12	1.57	0.46	0.35	1.95	1.82	2.03	0.39	0.09	2.02	1.16	0.73	1.18
13	1.14	0.48	0.74	2.07	1.71	1.71	0.31	0.33	1.78	1.12	0.75	1.16
14	1.01	0.55	0.58	2.14	1.56	1.55	0.22	0.89	1.61	1.30	1.08	0.96
15	1.32	0.13	0.74	2.27	1.74	1.46	0.30	0.84	1.57	1.22	1.40	0.97
16	1.38	-0.70	1.29	1.90	1.46	1.36	0.36	1.08	1.57	1.32	1.41	0.81
17	1.09	0.19	2.55	1.75	1.49	1.09	0.78	1.00	1.42	1.13	1.40	0.59
18	0.99	0.46	2.30	1.60	1.68	0.87	0.97	0.72	1.43	0.96	1.67	0.59
19	2.10	0.60	1.26	1.73	1.81	0.89	0.75	0.59	1.59	1.05	1.93	0.98
20	1.16	1.13	1.04	1.83	2.23	0.72	0.77	0.55	1.58	1.00	2.19	2.27
21	0.73	0.78	1.11	1.32	3.42	0.48	0.97	0.60	1.55	1.20	1.66	2.78
22	0.05	0.97	1.06	1.09	3.75	0.60	0.98	0.57	1.70	1.52	1.45	2.06
23	0.15	0.35	1.17	1.37	4.00	0.56	0.84	0.72	1.67	1.93	1.32	1.83
24	1.32	0.50	0.96	1.41	3.32	0.67	0.67	0.96	1.60	2.18	0.43	1.37
25	1.59	0.70	0.83	1.93	2.68	0.70	0.48	1.17	1.45	2.47	0.15	1.10
26	1.48	0.74	0.94	2.16	2.58	0.64	0.45	1.03	1.22	2.59	0.29	0.89
27	1.26	0.67	1.10	2.67	2.16	0.84	0.33	1.48	1.31	2.57	0.69	1.19
28	1.76	0.81	0.93	2.08	1.76	0.89	0.40	1.18	1.42	2.63	0.99	1.42
29	1.81	-----	1.52	1.93	1.75	0.99	0.51	1.32	2.00	2.90	1.20	0.76
30	2.32	-----	0.38	3.18	1.60	0.99	0.63	1.42	2.00	3.13	1.33	0.73
31	1.86	-----	0.56	-----	1.54	-----	0.98	1.57	-----	2.77	-----	0.86

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.31	0.67	0.91	1.57	2.14	1.20	0.70	0.86	1.68	1.80	1.24	1.14
MAX	2.32	1.63	2.55	3.18	4.00	2.58	1.16	1.57	2.18	3.13	2.45	2.78
MIN	0.05	-0.70	-0.18	0.08	1.46	0.48	0.22	0.09	1.22	0.96	0.15	0.54
DAYS	31	28	31	30	31	30	31	31	30	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364  
 THE MEAN STAGE FOR THE YEAR WAS 1.27.  
 HIGHEST STAGE WAS 4.04 AT 1:00 A.M. ON MAY 22.  
 LOWEST STAGE WAS MINUS 0.95 ON FEB 15.

## DAILY STAGE FOR 1991

LAKE PONTCHARTRAIN (IRISH BAYOU) NEAR SOUTH SHORE, LA.

LOCATION. LAT. 30-08-46, LONG. 89-51-41. ON EAST BANK 800 FEET NORTHEAST OF U. S. HIGHWAY 11 BRIDGE AT LITTLE IRISH BAYOU. (STA. 8567503.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO APR. 17, 1963, GAGE WAS LOCATED ON SOUTH DRAWBRIDGE. SUBTRACT 0.1 FROM DAILY STAGES PRIOR TO 1955. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. MAY 3, 1949, TO DATE.

EXTREMES. HIGHEST, 7.16 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.30 FEET ON JULY 25, 1954, AND LATER DATES. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.77	1.20	1.16	0.01	2.14	1.12	0.91	0.97	1.80	1.92	2.24	1.10
2	0.80	0.96	1.36	-0.25	1.57	0.92	0.95	1.08	1.80	2.04	0.90	0.99
3	1.11	0.46	1.32	0.15	1.48	0.82	0.85	1.04	1.92	1.76	1.15	1.00
4	1.04	0.45	-0.05	0.63	1.46	0.69	1.03	0.88	2.11	1.58	0.80	0.26
5	0.85	0.88	-0.41	0.75	1.62	0.55	0.70	0.80	2.00	1.40	0.99	0.10
6	1.06	0.87	-0.15	0.66	1.26	0.90	0.80	0.70	1.91	1.08	1.02	0.34
7	0.88	0.56	-0.30	0.77	1.46	2.05	1.15	0.68	1.57	1.27	1.17	0.44
8	0.48	0.27	0.08	1.04	2.00	2.25	1.09	0.65	1.20	1.26	1.16	0.55
9	0.29	-0.02	0.54	1.08	2.21	2.25	0.85	0.68	1.39	1.28	0.62	0.73
10	1.46	-0.13	0.07	0.63	2.05	2.50	0.52	0.39	1.79	1.22	0.57	0.69
11	1.65	-0.04	-0.17	1.26	1.85	2.44	0.47	0.21	1.86	0.94	0.42	0.82
12	1.00	0.08	0.04	1.58	1.63	2.05	0.32	0.17	1.73	0.86	0.61	0.89
13	0.64	0.18	0.47	1.78	1.56	1.73	0.14	0.34	1.54	0.84	0.68	0.91
14	0.49	0.26	0.16	1.88	1.36	1.54	0.11	0.79	1.43	1.03	0.98	0.60
15	1.46	-0.34	0.49	2.09	1.51	1.41	0.25	0.75	1.41	0.97	1.20	0.43
16	0.97	-0.90	0.96	1.60	1.27	1.25	0.37	0.98	1.38	1.10	1.17	0.32
17	0.65	-0.02	2.33	1.40	1.24	1.01	0.73	0.92	1.27	0.94	1.02	0.20
18	0.53	0.28	1.96	1.06	1.55	0.86	0.85	0.70	1.30	0.75	1.50	0.21
19	1.83	0.62	0.93	1.28	1.75	0.93	0.73	0.63	1.40	0.74	1.59	0.59
20	0.87	0.62	0.78	1.33	1.91	0.73	0.70	0.51	1.36	0.67	1.81	1.90
21	0.11	0.43	0.79	0.74	2.97	0.62	0.94	0.60	1.39	0.81	1.30	2.24
22	-0.35	0.68	0.87	0.66	3.28	0.73	0.92	0.60	1.49	1.13	1.06	1.63
23	-0.24	-0.16	0.81	0.94	3.36	0.67	0.82	0.64	1.41	1.42	0.97	
24	0.77	0.05	0.59	1.07	2.95	0.80	0.70	0.88	1.34	1.80	0.10 F	0.74
25	1.17	0.26	0.52	1.72	2.41	0.79	0.43	1.02	1.23	2.02	-0.01	0.73
26	1.03	0.35	0.64	2.16	2.46	0.69	0.52	0.97	1.00	2.15	0.27	0.67
27	0.76	0.26	0.82	2.29	2.01	0.78	0.29	1.60	1.02	2.19	0.59	0.93
28	1.34	0.35	0.63	1.95	1.60	0.82	0.32	1.09	1.30	2.31	0.79	1.09
29	1.36	-----	1.05	1.99	1.63	0.91	0.41	1.20	1.80	2.52	0.89	0.35
30	1.67	-----	0.14	3.01	1.48	0.84	0.47	1.30	1.83	2.77	1.01	0.32
31	1.46	-----	0.35	-----	1.36	-----	0.82	1.54	-----	2.45	-----	0.32

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.90	0.30	0.61	1.24	1.88	1.19	0.65	0.82	1.53	1.46	0.95	0.74
MAX	1.83	1.20	2.33	3.01	3.36	2.50	1.15	1.60	2.11	2.77	2.24	2.24
MIN	-0.35	-0.90	-0.41	-0.25	1.24	0.55	0.11	0.17	1.00	0.67	-0.01	0.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.03.

HIGHEST STAGE WAS 3.74 AT 9:30 A.M. ON MAY 23.

LOWEST STAGE WAS MINUS 1.19 ON FEB 15 AND LATER DATE(S).

## DAILY STAGE FOR 1991

## RIGOLETS NEAR LAKE PONTCHARTRAIN (LA.)

LOCATION. LAT. 30-10-02, LONG. 89-44-13. ABOUT 50 FEET SOUTHEAST OF U. S. HIGHWAY 90 AT FORT PIKE, NEAR EXTREME EAST END OF LAKE PONTCHARTRAIN. (STA. 8570003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.2 TO DAILY STAGES PRIOR TO 1955. LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. THE GAGE HAS BEEN LOCATED AT THE PRESENT SITE SINCE APR. 17, 1963. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 1931 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.9 FEET ON JAN. 26, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.81	0.83	0.60	-0.55		0.85	0.72	0.74	1.62	1.82	1.89	0.55
2	0.80	0.60	1.01	-0.70		0.62	0.69	0.92	1.57	1.93	0.69	0.39
3	0.60	0.19	0.95	-0.24		0.40	0.77	0.91	1.72	1.59	0.64	0.40
4	0.69	0.10	-0.52	0.18		0.27	0.84	0.78	1.90	1.40	0.29	-0.60
5	0.58	0.52	-0.73	0.28		0.18	0.58	0.75	1.77	1.26	0.57	-0.31
6	0.77	0.49	-0.48	0.20	0.80	0.62	0.64	0.65	1.57	0.77	0.51	-0.09
7	0.61	0.02	-0.54	0.36		1.76	1.01	0.59	1.18	0.90	0.75	0.09
8	0.11	-0.30	-0.21	0.54		1.95	1.03	0.53	0.92	0.90	0.84	0.28
9	0.01	-0.48	0.21	0.72		1.85	0.79	0.51	1.03	0.84	0.41	0.47
10	0.69	-0.55	-0.42	0.16		2.20	0.43	0.07	1.37	0.88	0.30	0.42
11	1.23	-0.51	-0.62	0.76		1.98	0.32	0.11	1.39	0.59	0.27	0.53
12	0.49	-0.31	-0.23	1.23		1.61	0.01	-0.03	1.30	0.60	0.47	0.59
13	0.34	-0.01	0.22	1.39	1.60	1.28	-0.24	0.20	1.13	0.69	0.53	0.63
14	0.24	-0.08	0.06	1.53	1.55	1.09	-0.15	0.60	1.11	0.93	0.81	0.07
15	0.70	-0.75	0.06	1.59	1.51	0.84	-0.09	0.56	1.23	0.79	1.01	0.08
16	0.65	-0.83	0.49	1.15	1.12	0.70	0.19	0.84	1.14	0.95	0.92	-0.21
17	0.41	-0.37	1.39	0.96	0.98	0.50	0.53	0.79	1.07	0.73	0.60	-0.33
18	0.29	-0.02	1.47	0.53	1.24	0.47	0.69	0.63	1.18	0.52	1.35	-0.38
19	1.37	0.30	0.33	0.79	1.02	0.69	0.57	0.57	1.15	0.42	1.01	0.24
20	0.51	0.33	0.22	0.83	1.50	0.42	0.60	0.42	1.09	0.38	1.47	1.51
21	-0.21	0.02	0.32	0.24	2.48	0.41	0.81	0.51	1.13	0.44	0.79	1.77
22	-0.71	0.37	0.59	0.30	2.78	0.61	0.81	0.49	1.27	0.68	0.55	1.11
23	-0.54	-0.45	0.29		3.23	0.58	0.67	0.50	0.99	1.01	0.50	1.14
24	0.49	-0.20	-0.02		2.51	0.72	0.57	0.62	0.90	1.42	-0.25	0.57
25	0.87	0.01	-0.03		2.31	0.66	0.36	0.80	0.72	1.59	-0.19	0.52
26	0.50	-0.20	0.19		2.35	0.64	0.39	0.65	0.68	1.88	0.02	0.43
27	0.31	0.00	0.51		1.81	0.70	0.09	1.01	0.77	1.92	0.38	0.53
28	1.04	0.09	0.43		1.50	0.61	0.24	0.89	1.03	2.10	0.51	0.62
29	0.99	-----	0.69	1.90	1.48	0.72	0.29	0.92	1.52	2.22	0.51	-0.09
30	1.43	-----	-0.33		1.29	0.57	0.23	1.08	1.59	2.58	0.57	-0.12
31	1.02	-----	-0.12	-----	1.10	-----	0.62	1.36	-----	2.12	-----	-0.21

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.55	-0.04	0.19	0.62	1.71	0.88	0.48	0.64	1.23	1.19	0.62	0.34
MAX	1.43	0.83	1.47	1.90	3.23	2.20	1.03	1.36	1.90	2.58	1.89	1.77
MIN	-0.71	-0.83	-0.73	-0.70	0.80	0.18	-0.24	-0.03	0.68	0.38	-0.25	-0.60
DAYS	31	28	31	23	20	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 347

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.68.

HIGHEST STAGE WAS 3.55 AT 10:30 A.M. ON MAY 23.

LOWEST STAGE WAS MINUS 0.92 ON NOV 24.

## DAILY STAGE FOR 1991

## LAKE BORGNE AT RIGOLETS (LA.)

LOCATION. LAT. 30-08-30, LONG. 89-38-20. ON DOCK OF APACHE OIL COMPANY IN LITTLE RIGOLETS, NEAR IWW. (STA. 8572503.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. FEB. 10, TO MAR. 30, 1950, DEC. 21, 1957, TO SEP. 10, 1965, AND JULY 11, 1967, TO DATE.

EXTREMES. HIGHEST, 12.25 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 1969. LOWEST, MINUS 2.17 FEET ON APR. 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.71	1.36	1.33	0.45	2.33	1.37	1.35	1.31	1.96	1.97	1.61	1.10
2	0.86	1.15	1.34	0.09	1.58	1.06	1.27	1.56	1.91	2.03	1.39	0.99
3	1.30	0.66	1.23	0.77	1.57	0.96	1.48	1.50	2.04	1.82	1.20	0.97
4	1.19	0.58	-0.39	0.82	1.59	0.83	1.18	1.43	2.15	1.73	1.09	0.65
5	1.19	0.93	-0.22	0.81	1.55	0.86	1.24	1.55	1.99	1.58	1.17	0.77
6	1.23	0.51	0.12	0.61	1.25	1.67	1.44	1.48	1.90	1.47	1.05	0.83
7	0.64	-0.06	0.00	0.63	1.88	2.85	1.77	1.47	1.62	1.36	1.16	0.91
8	0.27	-0.30	0.15	0.74	2.30	3.02	1.80	1.34	1.50	1.32	1.13	1.00
9	0.24	-0.39	0.36	1.04	2.02	2.74	1.52	1.16	1.58	1.29	1.06	1.13
10	1.12	-0.47	-0.39	0.64	2.31	2.93	1.28	0.48	1.62	1.28	1.05	1.12
11	1.46	-0.42	-0.63	1.50	2.24	2.75	1.09	0.70	1.59	1.18	1.03	1.17
12	0.32	-0.28	-0.21	1.80	2.14	2.36	0.74	0.48	1.55	1.22	1.24	1.19
13	0.26	0.00	0.27	2.25	2.22	1.95	0.29	0.83	1.49	1.37	1.34	1.22
14	0.15	0.09	0.12	2.33	2.07	1.77	0.51	1.09	1.55	1.47	1.41	0.88
15	1.06	-1.16	1.09	2.30	2.12	1.41	0.32	1.11	1.66	1.38	1.44	1.06
16	0.49	-0.11	1.40	2.18	1.91	1.13	0.83	1.41	1.64	1.52	1.36	0.79
17	0.61	0.41	2.81	1.70	1.64	0.96	1.31	1.41	1.60	1.44	1.24	0.67
18	0.59	0.78	1.45	1.54	1.99	1.09	1.30	1.31	1.68	1.31	1.58	0.60
19	2.63	1.18	1.27	1.07	1.95	1.42	1.33	1.43	1.66	1.19	1.29	1.12
20	0.97	0.63	1.05	1.03	2.18	1.02	1.41	1.37	1.66	1.20	1.39	1.68
21	-0.12	0.26	0.77	0.54	3.24	1.15	1.74	1.33	1.62	1.17	1.13	1.49
22	-0.22	0.17	0.91	0.55	3.53	1.45	1.61	1.25	1.64	1.18	1.11	1.20
23	-0.36	-0.71	0.34	0.78	4.26	1.41	1.48	1.28	1.39	1.34	1.07	1.28
24	0.82	-0.42	0.01	1.47	2.80	1.55	1.34	1.53	1.33	1.45	0.78	1.07
25	0.85	-0.32	0.08	2.46	3.19	1.49	1.08	1.52	1.22	1.59	0.95	1.11
26	0.32	-0.13	0.23	2.15	3.09	1.43	1.00	1.37	1.27	1.70	1.08	1.16
27	0.21	-0.03	0.73	2.09	2.46	1.57	0.73	1.51	1.42	1.77	1.28	1.22
28	1.02	0.34	0.57	2.67	2.28	1.35	0.95	1.41	1.58	1.99	1.29	0.80
29	0.96	-----	1.43	2.73	2.22	1.42	0.95	1.43	1.87	2.06	1.19	0.10
30	1.51	-----	0.81	3.61	1.95	1.24	0.84	1.58	1.93	2.34	1.17	0.10
31	1.02	-----	0.89	-----	1.73	-----	1.28	1.79	-----	1.94	-----	0.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.75	0.15	0.61	1.45	2.24	1.61	1.18	1.30	1.65	1.54	1.21	0.95
MAX	2.63	1.36	2.81	3.61	4.26	3.02	1.80	1.79	2.15	2.34	1.61	1.68
MIN	-0.36	-1.16	-0.63	0.09	1.25	0.83	0.29	0.48	1.22	1.17	0.78	0.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 1.23.  
 HIGHEST STAGE WAS 4.26 AT 8:00 A.M. ON MAY 23.  
 LOWEST STAGE WAS MINUS 1.48 ON FEB 15.

## DAILY STAGE FOR 1991

## CHEF MENTEUR PASS NEAR LAKE BORGNE (LA.)

LOCATION. LAT. 30-04-04, LONG. 89-48-25. ON EAST BANK, SOUTH OF U. S. HIGHWAY 90 BRIDGE, ON TALLY NO CLUB WHARF. (STA. 8575003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO OCT. 18, 1967, GAGE WAS LOCATED ON LAKE BORGNE NEAR MOUTH OF CHEF MENTEUR PASS. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET NGVD.

RECORDS AVAILABLE. STAGE, APR. 30, TO JUNE 9, 1945, FEB. 11, TO MAR. 30, 1950, JULY 27, 1957, TO SEP. 10, 1965, AND OCT. 18, 1967, TO DATE. DISCHARGE, 1937 AND 1945.

EXTREMES. HIGHEST, 9.07 FEET (FROM HIGH-WATER INDICATOR) AS RESULT OF HURRICANE ON SEP. 10, 1965. LOWEST, MINUS 2.27 FEET ON APR. 12, 1988 (POSSIBLY LOWER IN MAR. 1965). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.88	1.62	1.12	0.33	2.16	1.29	1.30	1.22	2.32	2.48	1.84	0.79
2	1.06	1.32	1.39	-0.10	1.40	0.95	1.22	1.35	2.30	2.60	1.19 F	0.63
3	1.59	0.62	1.19	0.51	1.38	0.77	1.37	1.34	2.68	2.10	1.07	
4	1.43	0.47	-0.30	0.59	1.43	0.71	1.12	1.28	2.69	1.82	0.94 F	-0.18
5	1.28	0.88	-0.33	0.58	1.32	0.72	1.08	1.30	2.33	1.50	1.02	0.19
6	1.27	0.53	-0.17	0.45	1.15	1.48	1.31	1.25	2.11	1.59	0.80	0.31
7	0.70	0.12	-0.22	0.55	1.75	2.85	1.58	1.15	1.50	1.40	1.09	0.49
8	0.37	-0.04	0.18	0.78	2.11	2.99	1.55	1.07	1.29	1.32	1.10	0.68
9	0.29	-0.27	0.51	0.96	2.10	2.74	1.29	0.89	1.51	1.29	0.77	0.91
10	1.28	-0.36	-0.10	0.64	2.27	2.84	1.00	0.35	1.83	1.21	0.69	0.95
11	1.43	-0.12	-0.51	1.41	2.12	2.65	0.80	0.56	1.77	0.92	0.68	1.00
12	0.47	-0.12	-0.21	1.69	1.89	2.19	0.52	0.47	1.62	0.94	0.97	1.02
13	0.39	0.11	0.30	2.10	2.02	1.80	0.11	0.67	1.49	1.23	1.11	1.09
14	0.30	0.31	0.26	2.16	1.87	1.61	0.32	1.08	1.51	1.45	1.30	0.43
15	1.05	-0.72	1.09	2.20	1.80	1.25	0.19	1.01	1.69	1.23	1.39	0.91
16	0.69	-0.16	1.41	2.02	1.71	1.09	0.68	1.32	1.62	1.58	1.22	0.26
17	0.78	0.50	2.75	1.50	1.56	0.84	1.09	1.29	1.59	1.33	0.92	-0.17
18	0.79	0.70	1.60	1.27	1.98	0.99	1.20	1.09	1.75	1.01	1.50	-0.24
19	2.59	1.00	1.18	0.88	1.99	1.20	1.08	1.20	1.79	0.80	1.19	0.94
20	0.99	0.59	0.89	0.89	2.03	0.94	1.18	1.20	1.85	0.75	1.33	1.99
21	0.18	0.21	0.64	0.48	3.38	0.97	1.50	1.11	1.62	0.74	0.91	1.92
22	-0.24	0.11	0.80	0.40	4.40	1.25	1.40	0.97	1.71	0.84	0.81	1.18
23	-0.43	-0.57	0.36	0.70	4.07	1.20	1.24	1.37	1.20	1.26	0.71	1.23
24	0.91	-0.31	0.11	1.35	2.88	1.34	1.10	1.24	1.23	1.59	0.00	1.49
25	1.00	-0.18	0.14	2.02	3.10	1.30	0.78	1.25	1.09	1.85	0.42	1.09
26	0.52	0.21	0.34	2.15	3.00	1.20	0.79	1.00	1.04	2.11	0.64	0.98
27	0.44	0.17	0.63	2.11	2.37	1.34	0.54	1.32	1.39	2.23	1.12	1.19
28	1.14	0.48	0.64	2.50	2.08	1.21	0.72	0.92	1.69	2.72	1.11	0.82
29	1.40	-----	1.15	2.42	1.99	1.33	0.72	1.30	2.29	2.77	0.92	0.19
30	1.72	-----	0.71	3.63	1.78	1.20	0.73	1.50	2.39	3.32	0.89	0.18
31	1.49	-----	0.90	-----	1.52	-----	1.19	2.00	-----	2.57	-----	0.23

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.90	0.25	0.60	1.31	2.15	1.47	0.99	1.13	1.76	1.63	0.99	0.75
MAX	2.59	1.62	2.75	3.63	4.40	2.99	1.58	2.00	2.69	3.32	1.84	1.99
MIN	-0.43	-0.72	-0.51	-0.10	1.15	0.71	0.11	0.35	1.04	0.74	0.00	-0.24
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.17.

HIGHEST STAGE WAS 4.58 AT 6:00 A.M. ON MAY 22.

LOWEST STAGE WAS MINUS 1.36 ON FEB 15.

## DAILY STAGE FOR 1991

BAYOU TERRE AUX BOEUF AT DELACROIX, LA.

LOCATION. LAT. 29-45-50, LONG. 89-47-32. ON BRIDGE AT END OF LOUISIANA HIGHWAY 300.  
(STA. 8578004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 15, 1975 TO DATE.

EXTREMES. HIGHEST, 6.86 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.53 FEET ON  
DEC. 26, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.33	1.41	1.03	0.50	2.57				1.80	2.17	2.37	1.34
2	1.49	1.22	1.38	0.40	2.19				1.86	2.32	1.85	1.31
3	1.67	0.82	1.42	0.72	2.02			1.16		2.05	1.73	1.29
4	1.63	0.77	0.57	1.04	1.90			1.09	2.14	1.92	1.50	0.87
5	1.54	1.13	0.36	1.17	1.82			0.92	2.15	1.73	1.45	0.95
6	1.35	1.10	0.32	1.20	1.59			0.89	2.06	1.62	1.48	0.96
7	1.03	0.89	0.06	1.32	1.66			0.85	1.90	2.03	1.56	0.95
8	0.80	0.65	0.47	1.50	2.26			0.84	1.56	1.83	1.47	1.00
9	0.84	0.44	0.85	1.55	2.11			0.91	1.66	1.73	1.25	1.05
10	1.49	0.32	0.55	1.43	1.96				1.95	1.61	1.13	1.00
11	1.75	0.34	0.34	1.59	1.96				2.05	1.37	0.93	1.25
12	1.39	0.42	0.41	1.93	1.74				1.92	1.25	1.15	1.28
13	1.07	0.50	0.72	2.01	1.65				1.79	1.12	1.13	1.30
14	0.95	0.49	0.47	2.14	1.54			0.92	1.86	1.24	1.29	1.00
15	1.18	0.08	0.89	2.27	1.71			1.01	1.72	1.04	1.47	0.73
16	1.16	-0.34	1.33	2.00	1.49			1.18	1.72	1.15	1.43	0.83
17	1.00	0.30	2.18	1.83	1.40			1.04	1.70	1.09	1.39	0.78
18	0.99	0.53	2.00	1.92	1.77			0.86	1.66	0.91	1.65	0.70
19	1.99	0.82	1.40	1.78	1.68			0.64	1.67	0.93	1.90	1.05
20	1.42	0.92	1.31	1.90	1.94			0.56	1.79	0.97	2.23	2.23
21	0.73	0.83	1.31	1.44	2.61			0.68	1.76	1.02	1.74	2.19
22	0.10	1.01	1.42	1.32	3.38			0.60	1.73	1.44	1.61	1.77
23	0.32	0.27	1.47	1.36	3.97			0.70	1.72	1.62	1.49	1.73
24	1.15	0.42	1.27	1.39	3.24			1.02	1.68	1.96	0.83	1.34
25	1.42	0.53	1.12	1.88	2.83			1.15	1.33	2.13	0.87	1.22
26	1.41	0.58	1.16	2.86	2.61			1.05	1.45	2.27	0.91	1.12
27	1.32	0.48	1.30	2.85	2.28			1.41	1.51	2.41	1.08	1.16
28	1.55	0.60	1.18	2.37	1.98			1.36	1.60	2.58	1.07	1.48
29	1.45	-----	1.54	2.30				1.36	1.98	2.75	1.09	0.88
30	1.62	-----	1.13	3.42				1.44	1.93	2.95	1.22	0.95
31	1.17	-----	1.03	-----		-----		1.54	-----	2.71	-----	0.92

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.24	0.63	1.03	1.71	2.14			1.01	1.78	1.74	1.41	1.18
MAX	1.99	1.41	2.18	3.42	3.97			1.54	2.15	2.95	2.37	2.23
MIN	0.10	-0.34	0.06	0.40	1.40			0.56	1.33	0.91	0.83	0.70
DAYS	31	28	31	30	28	0	0	25	29	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 294

THE MEAN STAGE FOR THE YEAR WAS 1.39.

HIGHEST STAGE WAS 4.36 AT 10:00 P.M. ON MAY 22.

LOWEST STAGE WAS MINUS 0.42 ON FEB 16.

## DAILY STAGE FOR 1991

## MISSISSIPPI RIVER-GULF OUTLET AT SNELL BEACH, LA.

LOCATION. LAT. 29-51-00, LONG. 89-41-00. ON SOUTH BANK OF BAYOU YSCLOSKEY 200 FEET SOUTHWEST OF JUNCTION WITH MISSISSIPPI RIVER GULF OUTLET. (STA. 8580004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO JUNE 30, 1961, GAGE WAS LOCATED IN BAYOU YSCLOSKEY, 500 FEET ABOVE MOUTH.

RECORDS AVAILABLE. JULY 7, 1948, TO DATE.

EXTREMES. HIGHEST, 11.06 FEET (CAUSED BY HURRICANE) ON AUG. 17, 1969. ESTIMATED LOWEST, MINUS 2.7 FEET ON MAR. 5, 1965.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.64	1.54			2.16	1.74	1.52	0.97	2.59	2.93	1.89	0.67
2	0.87	1.19			1.48	1.46	1.63	1.36	2.56	3.07	1.62	0.32
3	1.46	0.70			1.30	1.07	1.82	1.39	2.98	2.67	1.33	0.14
4	1.51	0.64			1.36	1.33	1.34	1.39	3.31	2.34	1.09	0.07
5	1.36	0.88			1.06	1.35	1.35	1.74	2.90	1.95	0.95	-0.02
6	1.25	0.58			0.99	2.26	1.61	1.83	2.51	2.47	0.61	-0.12
7	0.71	0.03			1.90	3.83	1.78	1.87	1.72	1.84	0.86	0.13
8	0.44	-0.32			2.03	3.74	1.87	1.78	1.50	1.54	1.11	0.40
9	0.40	-0.49			1.78	3.38	1.62	1.46	1.69	1.39	0.77	0.81
10	1.10	-0.73			2.08	3.25	1.27	0.28	2.00	1.21	0.69	1.09
11	1.47	-0.45			2.05	3.07	1.12	0.55	1.94	1.00	0.75	1.00
12	-0.03	-0.55			1.91	2.77	0.65	0.43	1.93	1.05	1.20	1.05
13	0.16	-0.29			2.22	2.23	-0.09	0.89	1.87	1.52	1.44	1.16
14	-0.06	-0.10			2.00	1.79	0.21	1.26	1.61	1.79	1.52	0.50
15	0.74	-1.13			1.84	1.43	0.04	1.35	1.57	1.70	1.60	1.34
16	0.11	0.08			1.94	1.18	0.72	1.54	1.64	2.16	1.35	0.41
17	0.61	0.36			1.57	1.43	1.19	1.61	1.46	1.80	1.04	-0.16
18	0.75	0.87			1.55	1.70	1.20	1.40	1.72	1.43	0.98	-0.38
19	2.61	1.19				2.09	1.23	1.61	1.73	1.22	1.02	1.27
20	1.04	1.03				1.83	1.35	1.85	1.87	1.18	1.00	2.01
21	0.10	0.51				1.11	1.71	1.55	1.34	1.04	0.51	1.62
22	0.05	0.02				1.53	1.73	1.42	1.97	0.83	0.48	0.86
23	-0.22	-0.85				2.03	1.54	1.61	1.33	1.14	0.22	1.01
24	1.01	-0.58				1.49	1.38	1.69	1.15	1.39	-0.08	0.84
25	0.87	-0.60		1.96		1.64	1.21	1.45	1.09	1.76	0.49	1.18
26	-0.03	-0.17		1.99		1.47	1.08	1.18	1.25	2.08	0.77	1.06
27	-0.12	-0.23		1.81		2.03	0.73	1.48	1.69	2.30	1.19	1.49
28	0.69	0.19		2.55		2.15	1.09	1.10	1.95	2.89	1.18	0.81
29	0.90	-----		2.42		2.17	1.05	1.47	2.56	2.94	0.93	0.33
30	1.13	-----		3.72	2.08	1.86	1.01	1.85	2.93	3.71	0.87	0.18
31	1.11	-----		-----	1.89	-----	1.08	2.19	-----	2.74	-----	0.17

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.73	0.12		2.41	1.76	2.01	1.19	1.40	1.94	1.91	0.98	0.69
MAX	2.61	1.54		3.72	2.22	3.83	1.87	2.19	3.31	3.71	1.89	2.01
MIN	-0.22	-1.13		1.81	0.99	1.07	-0.09	0.28	1.09	0.83	-0.08	-0.38
DAYS	31	28	0	6	20	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 299

THE MEAN STAGE FOR THE YEAR WAS 1.29.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 4.00 AT 10:00 A.M. ON JUN 7.

LOWEST STAGE WAS MINUS 1.98 ON FEB 15.

## DAILY STAGE FOR 1991

BRETON SOUND NEAR GARDNER ISLAND, LA.

LOCATION. LAT. 29-42-23, LONG. 89-25-37. ON MISSISSIPPI RIVER-GULF OUTLET AT U. S. COAST GUARD LIGHT NUMBER 67 (MILE 23.2). (STA. 8585004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD.

RECORDS AVAILABLE. STAGE, JAN. 25, 1957, TO JUNE 1, 1965, AUG. 26, 1966, TO DEC. 1983, AND NOV. 14, 1987 TO DATE.

EXTREMES. HIGHEST, 6.49 FEET (AFFECTED BY HURRICANE) ON SEP. 9, 1988 (PROBABLY HIGHER DURING HURRICANE OF AUG. 1969). LOWEST, MINUS 3.04 FEET ON FEB. 25, 1961.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	1.11	0.85					1.20				
2	0.22	0.77	1.00					1.33				
3	0.72	0.56	1.08					1.35				
4	0.98	0.71	0.03					1.41				
5	0.98	0.82	-0.02		1.55			1.75				-0.62
												-0.67
6	0.93	0.74			1.49			1.84				-1.05
7	0.67	0.19			2.06			2.00				-0.75
8	0.42	-0.27			2.03			1.98				-0.48
9	0.45	-0.48			1.74			1.58				-0.06
10	0.84	-0.73			2.16			1.00				0.32
11	1.37	-0.44			2.09			1.02				0.18
12	-0.56	-0.76			2.03			0.61				0.33
13	-0.34	-0.43			2.26			0.66				0.69
14	-0.38	-0.33			2.26			0.89				-0.05
15	0.13	-1.54			2.00			1.04				0.89
16	-0.51	-0.18			2.16			1.10				-0.08
17	0.25	0.06			1.99			1.31				-0.48
18	0.26	0.75			2.08			1.19				-0.99
19	1.59	1.12			2.43			1.58				0.67
20	0.67	0.88			2.34			2.00				0.42
21	-0.13	0.68			2.68			1.57				-0.07
22	0.15	0.11			4.40			1.58				-0.58
23	0.00	-0.87					1.78	1.75				-0.29
24	1.15	-0.54					1.83	1.79				
25	0.79	-0.78					1.79					
26	-0.34	-0.59					1.31					
27	-0.45	-0.54					1.18					
28	0.09	0.10					1.41					
29	0.28	-----					1.28					
30	0.21	-----					1.09					
31	0.40	-----	-----	-----	-----	-----	1.34	-----	-----	-----	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.35	0.00	0.59		2.21		1.44	1.40				-0.13
MAX	1.59	1.12	1.08		4.40		1.83	2.00				0.89
MIN	-0.56	-1.54	-0.02		1.49		1.09	0.61				-1.05
DAYS	31	28	5	0	18	0	9	24	0	0	0	20

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 135

THE MEAN STAGE FOR THE YEAR WAS 0.72.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS MINUS 1.92 ON FEB 15.

## DAILY STAGE FOR 1991

WEST BAY NEAR BURRWOOD, LA.

LOCATION. LAT. 29-02-25, LONG. 89-20-16. ON CHEVRON OIL COMPANY DOCK, NORTHWEST OF MILE 9.1 OF SOUTHWEST PASS OF THE MISSISSIPPI RIVER. (STA. 8835004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. SUBTRACT 0.79 FOOT FROM DAILY STAGES PRIOR TO 1975.

RECORDS AVAILABLE. NOV. 26, 1974 TO DATE.

EXTREMES. HIGHEST, 4.84 FEET ON APR. 30, 1991. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.06 FEET ON FEB. 12, 1986.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.18	1.90		2.19	3.33	2.92	2.78		2.25	2.42	3.13	1.77
2	1.33	1.98		1.60	3.15	2.90	2.55		2.50	3.08	2.35	1.42
3	1.72	1.97		2.28	3.13	2.84	2.46		2.71	3.03	1.84	1.40
4	1.79	2.10		2.23	2.92	2.69	2.50		3.15	2.92	1.56 F	0.96
5	2.06	2.20		2.28	2.79	2.58	2.55	F	3.16	2.93	1.45	
6	2.10	2.23		2.14	2.77	2.90	2.40	F	3.17	2.27	1.26	
7	2.10	1.88		2.14	2.40	2.95		0.95	2.78	2.00	1.32	
8	1.90 F	1.35		2.23	2.74	3.30 F	1.33 F	2.19	2.60	1.89	1.20	
9	1.90			2.21	2.90	3.47	3.10	3.12	2.35	1.56	1.35	
10	2.06			2.18	3.06	3.84	3.28	2.90	2.27	1.50	1.30	
11	2.00			2.40	2.95	3.90	3.32	2.33	2.00	1.46	1.35	
12	1.69			2.51	3.17	3.82	3.26	2.03	2.03	1.49	1.69	
13	1.56			2.70	3.67	3.55 F	1.73	1.75	2.05	1.46	1.65	
14	1.57			3.10	3.80	3.40	2.78	1.83	2.25	1.75	2.12	
15	1.95			3.13	4.02	3.10	2.43	1.85	2.35	2.06	2.10	
16	1.70		2.47	3.43	3.77	2.78	1.98	1.76 F	1.98	2.07	2.13	
17	1.69		2.89	3.22	3.20	2.67	2.10	2.15	2.41	2.18	2.11	
18	1.79		3.29	3.82	3.16	2.33	1.93	2.39	2.89	1.99	1.90	
19	2.26		2.93	3.10	2.85	2.67	2.14	2.34	2.93	1.86	1.77	
20	2.20	E	2.94	2.78	2.79	2.48		2.59	2.72	2.05	1.55	
21	2.06		2.70	2.33	2.93	2.59		2.58	2.80	2.04	1.09	
22	1.97		2.80	2.50	3.24	2.70		2.59	2.78	1.75	1.09	
23	2.01		2.23	2.68	3.75	2.97		2.62	2.53	1.69	1.00	
24	2.13		1.90	2.48	3.60	2.80		2.31	2.25	1.55	1.05	
25	1.99	E	1.98	2.85	3.55 F	1.41		2.60	2.32	1.57	1.05	
26	1.70		1.92	3.43	3.95	3.14		2.23	1.70	1.55	1.43	
27	1.62		2.16	3.42	3.52	3.15		2.30	1.58	1.85	1.95	
28	1.80 F	2.00 E	2.10	3.65	3.59	2.76		1.75	1.69	2.20	1.82	
29	1.66	-----	2.98	3.55	3.35	2.78		1.72	1.80	2.35	2.00	
30	1.95	-----	2.31	4.69	3.43	2.78		1.76	2.12	2.70	1.85	
31	1.65	-----	2.32	-----	3.05	-----		2.20	-----	3.01	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.84	1.96	2.49	2.77	3.24	2.94	2.48	2.19	2.40	2.07	1.65	1.39
MAX	2.26	2.23	3.29	4.69	4.02	3.90	3.32	3.12	3.17	3.08	3.13	1.77
MIN	1.18	1.35	1.90	1.60	2.40	1.41	1.33	0.95	1.58	1.46	1.00	0.96
DAYS	31	9	16	30	31	30	18	25	30	31	30	4

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 285

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.38.

HIGHEST STAGE WAS 4.84 AT 8:15 A.M. ON APR 30.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1991

GRAND ISLE EAST POINT, LA.

LOCATION. LAT. 29-15-48, LONG. 89-57-24. AT U.S. COAST GUARD BASE. (STA. 8840004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY NATIONAL OCEAN SERVICE. PRIOR TO 1980 GAGE WAS TITLED BAYOU RIGAUD AT GRAND ISLE, LA. GAGE ZERO OF PUBLISHED REPORTS PRIOR TO 1980 SHOULD BE CORRECTED TO MINUS 4.61 FEET M.G.V.D. FROM 1980 TO 1986 GAGE ZERO WAS MINUS 3.05 FEET M.G.V.D.

RECORDS AVAILABLE. AUG. 2, 1947 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1949.

EXTREMES. HIGHEST, 13.19 FEET (CAUSED BY HURRICANE) ON SEP. 9, 1965. LOWEST, 1.4 FEET ON FEB. 2, 1951 AND JAN. 13, 1964. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 5.60 FEET, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.02	5.81	6.28	6.08	7.51	7.20	6.83	6.44	6.87	7.07	7.12	6.38
2	5.26	5.91	6.72	6.16	7.17		6.80	6.42	7.04	7.46	6.63	6.20
3	5.44	5.86	6.90	6.53	7.19		6.67	6.48	7.36	7.35	6.23	5.72
4	5.69	6.00	5.78	6.33	7.06		6.60	6.53	7.71	7.24	5.85	5.01
5	6.03	6.23	5.84	6.52	7.00		6.64	6.89	7.74	7.00	5.77	5.16
6	6.04	6.24	6.12	6.25	6.64		6.84	6.96	7.57	6.59	5.60	5.04
7	6.02	5.82	6.03	6.26	6.74		7.15	7.11	7.14	6.22	5.69	5.16
8	5.74	5.34	6.23	6.35	7.04		7.16	7.24	6.79	6.13	5.60	5.23
9	5.68	5.24	5.71	6.33	7.17	7.89	7.26	7.16	6.68	5.97	5.52	5.52
10	6.47	5.23	5.18	6.22	7.27	8.05	7.21	6.81	6.67	5.86	5.58	5.53
11	6.29	5.16	5.46	6.55	7.20	8.07	7.11	6.40	6.52	5.86	5.68	5.74
12	5.30	5.08	5.57	6.81	7.30	7.90	6.98	6.05	6.54	5.92	5.86	5.80
13	5.22	5.50	5.82	7.10	7.54	7.61	6.74	5.92	6.57	5.95	5.98	6.20
14	5.24	5.55	5.78	7.36	7.60	7.53	6.53	6.06	6.64	6.13	6.47	5.70
15	5.58	5.17	5.91	7.37	7.79	7.21	6.28	6.24	6.76	6.31	6.53	5.63
16	5.17	5.22	6.49	7.45	7.58	6.95	6.18	6.19	6.91	6.37	6.60	5.58
17	5.30	6.03	7.11	7.15	7.35	6.79	6.29	6.48	6.68	6.51	6.71	5.63
18	5.64	6.47	6.83	7.30	7.23	6.59	6.24	6.63	7.20	6.30	6.80	5.14
19	6.32	6.69	6.74	7.03	7.43	6.64	6.43	6.66	7.15	6.22	6.56	5.20
20	6.14	6.38	6.79	6.79	7.16	6.50	6.56	6.75	7.04	6.33	5.92	5.68
21	5.59	5.99	6.70	6.30	7.15	6.62	6.89	6.74	7.06	6.32	5.58	5.53
22	5.56	5.79	6.79	6.47	7.97	6.86	6.93	6.76	7.04	6.14	5.60	5.33
23	5.66	5.20	6.29	6.71	8.22	7.00	6.93	6.83	6.84	6.12	5.34	5.66
24	6.00	5.30	5.74	6.59	7.98	6.97	6.93	6.72	6.54	6.11	4.82	5.67
25	5.85	5.29	5.90	7.29	7.87	6.98	6.83	6.73	6.42	6.18	5.00	5.76
26	5.41	5.09	5.93	7.83	8.12	7.06	6.82	6.48	5.99	6.21	5.45	5.94
27	5.40	5.19	6.28	7.60	7.69	7.04	6.82	6.78	6.00	6.48	5.91	6.29
28	5.76	5.72	6.29	7.87	7.62	6.90	6.54	6.22	6.11	6.94	6.03	5.85
29	5.44	-----	7.15	7.85	7.55	7.03	6.45	6.15	6.36	7.06	6.37	5.70
30	5.75	-----	6.45	7.89	7.53	6.91	6.33	6.19	6.72	7.42	6.33	5.67
31	5.38	-----	6.22	-----	7.47	-----	6.35	6.65	-----	7.47	-----	5.21

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.66	5.66	6.23	6.88	7.42	7.14	6.72	6.57	6.82	6.49	5.97	5.61
MAX	6.47	6.69	7.15	7.89	8.22	8.07	7.26	7.24	7.74	7.47	7.12	6.38
MIN	5.02	5.08	5.18	6.08	6.64	6.50	6.18	5.92	5.99	5.86	4.82	5.01
DAYS	31	28	31	30	31	23	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358  
 THE MEAN STAGE FOR THE YEAR WAS 6.42.  
 HIGHEST STAGE WAS 8.22 AT 7:15 A.M. ON MAY 23.  
 LOWEST STAGE WAS 4.70 ON NOV 24.

## DAILY STAGE FOR 1991

## ATCHAFALAYA BAY NEAR EUGENE ISLAND (LA.)

LOCATION. LAT. 29-27-03, LONG. 91-20-28. ON AMERADA HESS OIL CO. PLATFORM, APPROXIMATELY 5.5 MILES NORTHEAST OF EUGENE ISLAND. (STA. 8855010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 25, 1976 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 6.70 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985.  
LOWEST, MINUS 2.04 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1969 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.24	1.34	1.39	0.91	2.57	2.28	1.68	1.23	2.16	1.04	0.95	0.37
2	0.42	1.40	1.31	1.00	2.25	2.35	1.58	1.61	2.30	1.52	1.53	0.36
3	0.59	1.56	1.39	1.90	2.51	1.88	1.49	1.44	2.51	1.15	0.79	-0.31
4	0.72	1.47	0.77	1.80	2.21	2.11	1.52	1.96	2.50	1.07	0.60	-0.10
5	1.19	1.77	1.10	1.56	2.92	1.37	1.83	1.67	2.70	0.59	0.33	0.07
6	1.25	1.34	1.19	0.89	1.13	1.43	1.74	2.12	1.89	0.03	-0.05	-0.12
7	1.15	1.01	1.29	1.33	1.37	1.70	1.80	2.42	1.27	0.61	0.05	-0.11
8	0.70	0.77	1.03	1.36	2.71	1.95	1.68	2.25	0.77	0.63	-0.13	0.09
9	0.53	0.67	0.69	0.97	2.47	2.34	1.80	1.70	0.49	0.16	0.52	0.20
10	0.89	0.58	0.59	0.77	2.25	2.78	1.79	1.71	0.72	-0.10	0.08	0.29
11	0.91	0.49	0.69	1.13	1.90	2.58	1.51	1.38	0.70	0.08	0.06	0.43
12	0.49	0.48	0.70	1.51	1.88	2.56	1.25	1.05	0.84	0.33	0.32	0.55
13	0.62	0.52	0.71	1.90	2.22	2.33	1.25	0.97	0.79	0.36	0.36	1.10
14	0.61	0.43	0.55	2.07	2.27	2.51	1.34	1.62	0.82	0.65	0.85	0.27
15	0.93	0.28	0.85	1.94	3.34	2.56	1.68	1.95	1.11	0.30	0.96	0.47
16	0.66	0.56	1.38	2.63	2.78	2.19	0.83	1.31	1.10	0.77	0.71	0.52
17	0.79	1.00	1.61	2.16	3.17	2.00	0.93	1.37	0.96	1.37	0.82	0.36
18	1.00	1.18	1.39	2.99	2.70	1.64	0.86	1.70	1.05	0.83	1.13	0.12
19	1.22	1.92	1.73	2.28	2.69	1.84	0.95	1.18	1.00	0.45	0.25	-0.15
20	1.43	0.97	2.13	1.68	2.31	1.41	1.09	1.22	1.12	0.45	-0.08	0.10
21	0.80	0.76	1.98	1.64	1.84	1.38	1.45	1.10	1.30	0.26	-0.41	0.16
22	1.19	0.73	2.41	1.97	1.90	1.31	1.46	1.57	0.87	0.05	-0.27	-0.01
23	1.22	0.24	1.36	1.21	2.52	1.40	1.25	1.67	0.68	-0.03	-0.28	0.32
24	1.08	0.30	0.64	1.27	2.50	1.68	1.20	1.57	0.38	0.39	-0.16	0.19
25	1.03	0.32	0.58	1.75	2.39	1.35	1.43	1.58	0.06	0.40	0.06	0.56
26	1.03	0.34	0.57	2.33	2.43	1.49	1.23	1.28	0.30	0.58	0.23	0.90
27	0.92	0.44	1.59	2.47	2.41	1.83	1.17	1.66	0.31	1.05	0.63	0.64
28	1.03	0.56	0.88	2.84	2.56	1.19	1.08	1.32	0.81	1.50	0.67	0.39
29	1.05	-----	1.49	2.70	2.46	2.02	0.72	1.38	1.01	1.65	0.91	0.14
30	1.27	-----	0.96	1.96	2.27	1.72	0.71	1.17	1.14	2.36	0.50	0.21
31	1.04	-----	0.90	-----	2.74	-----	0.80	2.04	-----	2.19	-----	0.06

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.90	0.84	1.16	1.77	2.38	1.91	1.33	1.55	1.12	0.73	0.40	0.26
MAX	1.43	1.92	2.41	2.99	3.34	2.78	1.83	2.42	2.70	2.36	1.53	1.10
MIN	0.24	0.24	0.55	0.77	1.13	1.19	0.71	0.97	0.06	-0.10	-0.41	-0.31
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 1.20.  
HIGHEST STAGE WAS 3.42 AT 7:00 A.M. ON MAY 15.  
LOWEST STAGE WAS MINUS 0.75 ON OCT 5.

## DAILY STAGE FOR 1991

## ATCHAFALAYA BAY AT EUGENE ISLAND (LA.)

LOCATION. LAT. 29-22-45, LONG. 91-22-54. ON TOWER B-17 IN SOUTHERN ATCHAFALAYA BAY. (STA. 8860010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1973 GAGE WAS MAINTAINED BY NATIONAL OCEAN SURVEY WITH GAGE ZERO AT MINUS 2.99 FEET, NGVD. GAGE REESTABLISHED IN APR. 1973 BY CORPS OF ENGINEERS WITH GAGE ZERO AT M.L.G.

RECORDS AVAILABLE. STAGE, MAY 26, 1939 TO MAY 3, 1972 AND APR. 12, 1973 TO DATE. ADD 0.3 TO DAILY STAGES PRIOR TO 1944, AND SUBTRACT 0.7 FROM DAILY STAGES FROM 1944 TO 1958.

EXTREMES. HIGHEST, 6.81 FEET (AFFECTED BY HURRICANE) ON JUNE 27, 1957. LOWEST, (FROM INCOMPLETE RECORD) MINUS 3.86 FEET ON FEB. 22, 1976. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			-0.60	-0.85	1.05	0.80	0.15	-0.20	0.05	-0.19	-0.80	-0.77
2			-0.45	-0.67	0.30	0.85	0.10	-0.10	0.30	0.45	-0.75	-0.75
3			-0.30	0.40	1.00	0.33	-0.15	-0.10	0.55	0.25	-1.45	-2.15
4				0.30	0.65	0.40	0.05	0.05	0.75	0.19	-2.10	-2.97
5			-0.65	0.10	1.40	-0.25	0.20	0.00	0.95	-0.30	-1.76	-2.17
6			-0.60	-0.60	-0.65	-0.10	0.15	0.03	0.57	-1.59	-1.86	-2.13
7			-0.40	-0.10	-0.15	0.55	0.35	0.30	-0.07	-1.25	-1.73	-2.15
8			-0.70	-0.15	0.90	0.65	0.20	0.35	-0.47	-1.32	-1.93	-1.80
9	F	0.00		-0.65	0.80	1.10	0.35	0.00	-0.65	-1.65	-1.85	-1.55
10				-0.97	0.75	1.25	0.35	-0.05	-0.49	-1.50	-1.70	-1.55
11				-0.35	0.25	1.15	0.15	-0.50	-0.50	-1.55	-1.60	-1.20
12		F	-0.65	0.00	0.25	1.10	-0.10	-0.85	-0.40	-1.15	-1.10	-0.90
13				0.40	0.55	0.75	-0.10	-0.90	-0.80	-1.00	-1.05	-0.30
14			F	-0.75	0.55	1.00	0.05	-0.35	-0.60	-0.65	-0.35	-1.34
15			F	-0.65	0.45	1.80	1.05	-0.10	-0.30	-1.04	-0.25	-2.04
16			-0.30	1.05	1.30	0.67	-0.50	-0.43	-0.35	-0.75	-0.45	-1.50
17		-0.65	0.00	0.60	1.75	0.35	-0.43	-0.15	-0.40	-0.18	-0.22	-1.35
18		-0.35	-0.65	1.50	1.15	0.13	-0.45	-0.05	-0.15	-0.76	-0.08	-2.05
19		0.40	0.10	0.75	1.20	0.10	-0.30	-0.44	-0.30	-1.00	-1.00	-2.30
20		-0.60	0.50	0.15	0.85	-0.08	-0.20	-0.45	-0.80	-0.85	-2.03	-1.40
21			0.35	0.05	0.30	-0.20	0.10	-0.53	-0.40	-1.09	-2.16	-1.78
22			0.85	0.45	0.40	-0.34	0.25	-0.25	-0.43	-1.28	-2.08	-2.00
23			-0.30	-0.35	1.10	0.00	-0.10	-0.15	-0.50	-1.35	-2.15	-1.35
24			F	-0.75	-0.30	1.05	0.08	-0.14	-0.50	-0.92	-2.80	-1.55
25			F	-0.60	0.05	0.94	-0.10	0.10	-0.42	-2.00	-2.05	-1.05
26			F	-0.70	1.00	0.95	0.00	-0.10	-0.70	-1.60	-0.75	-0.35
27			0.00	0.90	0.85	0.40	-0.10	-0.75	-1.65	-0.10	-0.65	-0.56
28			-0.82	1.40	1.03	-0.36	-0.20	-0.80	-1.25	0.30	-0.60	-0.75
29		-----	F	0.25	1.10	0.90	0.50	-0.60	-0.90	0.50	-0.15	-1.20
30		-----		-0.55	0.70	0.65	0.20	-0.65	-0.70	0.85	-0.66	-1.35
31		-----	-1.00	-----	1.30	-----	-0.55	-0.09	-----	1.00	-----	-2.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.00	-0.37	-0.35	0.23	0.82	0.40	-0.06	-0.30	-0.44	-0.64	-1.30	-1.50
MAX	0.00	0.40	0.85	1.50	1.80	1.25	0.40	0.35	0.95	1.00	-0.08	-0.30
MIN	0.00	-0.65	-1.00	-0.97	-0.65	-0.36	-0.65	-0.90	-2.00	-1.65	-2.80	-2.97
DAYS	1	5	25	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 306

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS MINUS 0.31.

HIGHEST STAGE WAS 2.40 AT 6:30 A.M. ON MAY 15.

LOWEST STAGE WAS MINUS 3.14 ON NOV 8.

## DAILY STAGE FOR 1991

EAST COTE BLANCHE BAY AT LUKES LANDING, LA.

LOCATION. LAT. 29-35-48, LONG. 91-32-35. ON DOCK, 2.8 MILES NORTH OF ENTRANCE TO BAYOU SALE AND 2.1 MILES SOUTH OF SOUTH BEND, LA. (STA. 8880013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 22, 1957 TO DATE.

EXTREMES. HIGHEST, ESTIMATED 9.50 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, MINUS 3.66 FEET ON APR. 9, 1957.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.42	1.18	2.36	1.56	3.89	3.41	2.80	2.52	2.96	2.76	1.51	1.84
2	0.90	1.46	2.38	1.85	3.26	3.36	2.67	2.65	3.14	3.26	1.25	2.00
3	0.88	1.99	2.34	2.89	3.95	2.97	2.61	2.52	3.11		0.43	0.61
4	1.24	2.15	0.78	2.71	3.70	3.11	2.68	2.68	3.30		-0.19	0.84
5	2.16	2.61	2.06	2.46	4.18	2.19	3.06	2.68	3.63	2.20	0.67	1.50
6	2.32	1.99	2.16	1.94	1.55	2.34	3.47	2.55	3.27	0.27	0.77	1.36
7	1.70	1.09	2.07	2.49	2.67	2.82	3.00	3.18	2.56	1.17	1.30	1.08
8	1.40	0.51	1.23	2.41	3.42	3.11	2.52	3.01	2.20	1.56	0.02	1.08
9	1.27	0.11	0.56	1.87	3.27	3.64	3.74	2.40	2.08	1.35	0.64	1.21
10	1.86	0.12	-0.08	1.44	3.71	3.97	4.00	2.28	2.30	1.18	1.22	1.08
11	1.81	-0.16	0.92	2.35	3.12	3.77	3.47	1.73	2.26	1.33	1.06	1.39
12	-0.40	0.12	1.06	2.81	3.13	3.71	2.52	1.72	2.45	1.61	1.52	1.64
13	-0.07	0.86	1.08	3.49	3.59			1.74	2.51	1.72	2.09	2.21
14	0.54	0.71	0.49	3.66	3.84		2.53	2.40	2.54	2.11	2.62	1.21
15	1.22	-0.14	0.39	3.29	4.27	3.64	2.83	2.32	2.75	1.53	2.34	1.39
16	0.10	0.69	2.31	4.35	4.43	2.91	1.97	2.16	2.76	1.71	2.15	2.28
17	0.64	2.33	2.41	3.60	4.26	2.78	2.11	2.48	2.41	2.42	2.35	2.37
18	0.77	2.33	1.73	4.37	4.19	2.65		2.46	2.72	1.85	2.61	1.34
19	1.84	3.08	2.69	3.64	4.30	2.79		1.97	2.58	1.56	1.64	0.93
20	1.89	1.61	2.90	2.81	3.87	2.49		2.07	1.91	1.70	0.70	1.56
21	-0.29	1.60	2.87	2.80	3.30	2.42		2.18	2.07	1.52	0.57	1.29
22	1.43	1.40	3.33	3.18	2.67		2.87	2.17	2.20	1.31	0.88	0.77
23	1.90	-0.80	2.17	2.19	4.74		2.49	2.35	2.21	1.63	0.93	1.34
24	1.03	0.15	1.13	2.40	3.52		2.51	2.24	2.02	1.91	0.88	1.50
25	1.15	0.17	1.28	3.01	3.45	2.56		2.22	0.91	2.01	1.44	2.83
26	0.63	-0.68	1.17	3.66	3.57		2.52	1.95	1.43	2.13	2.15	3.43
27	0.54	0.47	2.77	3.83	3.66		2.39	1.89	1.18	2.78	2.42	2.58
28	0.60	1.19	1.65	4.40	3.78	2.48	2.35	1.97	1.92	3.28	2.30	2.27
29	0.86	-----	2.06	4.17	3.75	2.77	1.81	1.98	2.27	3.35	2.43	1.90
30	1.15	-----	1.67	3.11	3.47	2.45	1.84	2.12	2.75	3.36	2.02	2.30
31	-0.35	-----	1.03	-----	-----	-----	1.86	2.82	-----	3.59	-----	1.53

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.00	1.00	1.71	2.96	3.62	2.97	2.66	2.30	2.41	2.01	1.42	1.63
MAX	2.32	3.08	3.33	4.40	4.74	3.97	4.00	3.18	3.63	3.59	2.62	3.43
MIN	-0.40	-0.80	-0.08	1.44	1.55	2.19	1.81	1.72	0.91	0.27	-0.19	0.61
DAYS	31	28	31	30	30	23	25	31	30	29	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 349

THE MEAN STAGE FOR THE YEAR WAS 2.12.

HIGHEST STAGE WAS 5.28 AT 7:00 A.M. ON MAY 15.

LOWEST STAGE WAS MINUS 0.93 ON FEB 15.

PART II  
OBSERVED DISCHARGES  
OF THE  
MISSISSIPPI RIVER AND TRIBUTARIES  
AND  
OTHER WATERSHEDS

## MISSISSIPPI RIVER NEAR COOCHIE, LA.

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
FEB 02	54.65	117	2205	1583	6.58	9.21		1042
FEB 25	48.63	88	2891	1756	6.82	9.52		1197
MAR 01	49.92	75	3540	2082	5.70	8.95		1187
MAR 15	50.40	72	3821	2030	5.36	8.38		1089
APR 01	47.20	76	3583	1980	5.07	6.89		1004
APR 12	50.45	72	3825	2030	5.52	8.88		1120
APR 26	54.95	76	3864	2189	4.81	7.50		1053
MAY 10	57.90	80	3864	2292	4.22	5.63		967
MAY 24	54.55	82	3960	2150	4.24	5.63		912
JUN 07	49.90	67	3802	1936	4.92	6.71		953
JUN 21	40.95	60	3495	1622	3.96	5.04		642
JUL 09	31.70	50	3390	1320	3.56	4.44		469
JUL 23	26.60	47	3338	1170	3.70	4.17		432
AUG 07	21.00	40	3239	995	2.98	3.56		297
AUG 16	19.60	39	3229	951	2.74	3.20		261
SEP 12	19.40	38	3218	944	2.56	3.05		242
OCT 01	20.00	42	3234	983	2.53	2.81		248
OCT 10	17.90	40	3193	923	2.45	2.96		226
OCT 25	16.40	39	3174	873	2.24	2.69		195
NOV 06	28.00	50	3320	1277	2.96	3.70		378
NOV 22	26.95	51	3316	1271	3.01	3.91		383
DEC 06	36.40	61	3441	1589	3.93	5.00		624
DEC 18	49.10	77	3591	2046	5.44	7.15		1113

DISCHARGE RANGE. UPSTREAM FROM OLD RIVER OUTFLOW CHANNEL AT MILE 317.2.  
(STA. 0102011.)

GAGE. MISSISSIPPI RIVER NEAR KNOX LANDING. STAFF TYPE AT MILE 313.7.  
ZERO, NGVD

## MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 03	47.80	68	3922	1896	5.57	8.45		1057
JAN 07	49.60	74	3931	1962	5.82	9.05		1142
JAN 09	50.60	76	3934	2047	5.72	8.64		1170
JAN 14	53.86	72	3940	2172	5.75	8.52		1250
JAN 16	54.75	75	4025	2153	5.65	8.82	16.3	1234
JAN 19	55.92	74	4025	2195	5.77	8.50	24.8	1290
JAN 22	56.36	75	4025	2178	6.45	9.33	21.7	1426
JAN 24	56.20	75	4025	2158	6.05	8.99	25.1	1331
JAN 26	55.93	75	4025	2155	5.90	8.65	21.6	1293
JAN 28	55.30	76	4025	2230	5.32	7.66	16.1	1203
JAN 30	54.52	74	4025	2158	5.46	8.39	6.2	1184
FEB 04	50.23	66	4050	1963	4.98	7.55	1.4	980
FEB 06	47.68	65	3922	1860	4.76	6.89		885
FEB 11	42.18	60	3842	1677	4.44	6.25		745
FEB 13	41.32	57	3837	1660	4.47	6.57		742
FEB 19	42.46	58	3845	1687	4.60	7.44		776
FEB 21	44.36	60	3866	1810	4.59	6.12		830
FEB 25	46.22	62	3898	1855	4.65	6.57		862
FEB 27	47.01	70	3906	1911	4.79	6.57		916
MAR 04	49.10	65	3930	1877	5.32	8.50		999
MAR 06	49.80	68	3932	1953	5.21	7.87		1018
MAR 11	50.40	65	3937	1884	5.40	7.92		1018
MAR 13	49.50	64	3938	1877	4.99	7.36		936
MAR 18	46.57	62	3900	1836	4.79	6.67		880
MAR 21	44.75	59	3871	1724	4.45	6.44		767
MAR 25	43.20	57	3856	1682	4.61	6.42		775

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## MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		VELOCITIES		OVERBANK DISCHARGE	TOTAL DISCHARGE
			WIDTH	AREA	MEAN	MAXIMUM		
1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 27	42.80	59	3851	1644	4.58	6.57		753
APR 01	44.90	61	3881	1750	4.76	6.72		834
APR 03	45.64	62	3893	1739	4.71	6.39		818
APR 08	46.85	64	3914	1834	4.78	6.41		876
APR 10	47.69	61	3915	1808	4.77	6.42		862
APR 15	49.84	65	3931	1917	5.13	7.25		983
APR 17	50.84	66	3931	1937	5.05	7.31		979
APR 22	51.80	66	3934	1937	4.85	6.89		950
APR 24	52.18	66	3933	1991	5.21	7.59		1037
APR 29	53.68	70	3933	2082	5.37	8.37		1117
MAY 01	54.53	69	3933	2085	5.50	8.52		1148
MAY 06	55.10	74	3933	2149	5.20	7.23		1117
MAY 08	55.15	75	3973	2127	5.22	7.62		1110
MAY 13	54.80	67	3973	2047	5.30	7.83		1086
MAY 15	54.20	67	3973	2023	5.10	8.09		1031
MAY 20	53.25	66	3973	2024	5.13	7.06		1039
MAY 22	52.85	65	3973	1963	5.03	7.29		988
MAY 28	50.45	65	3933	1885	4.92	6.29		927
MAY 30	49.57	62	3930	1835	4.83	6.52		887
JUN 03	47.47	60	3909	1791	4.60	5.88		823
JUN 05	47.40	60	3911	1755	4.67	5.67		820
JUN 10	47.00	57	3903	1694	4.43	5.67		751
JUN 12	46.02	56	3886	1644	4.61	5.94		759
JUN 17	42.20	53	3830	1479	4.21	4.77		622
JUN 19	40.05	51	3792	1380	4.29	5.09		592
JUN 24	36.47	48	3532	1267	4.20	4.89		532
JUN 26	36.20	48	3530	1255	4.14	4.92		519
JUL 01	35.07	47	3522	1243	4.24	4.81		528
JUL 03	33.75	46	3517	1192	4.16	4.89		496
JUL 08	30.35	44	3491	1104	3.93	4.59		434
JUL 10	28.94	43	3488	1074	3.83	4.30		411
JUL 15	25.24	39	3476	920	3.72	4.32		342
JUL 17	24.80	39	3471	908	3.75	4.30		340
JUL 22	24.90	39	3471	911	3.53	3.97		321
JUL 24	24.15	39	3469	900	3.60	4.51		324
JUL 29	21.57	36	3457	809	3.29	3.89		266
JUL 31	20.71	35	3452	780	3.15	3.57		246
AUG 05	19.55	34	3449	744	3.28	4.27		244
AUG 07	19.25	34	3447	733	3.25	3.74		238
AUG 12	18.85	33	3447	727	3.25	3.89		236
AUG 14	18.22	33	3444	713	3.11	3.70		222
AUG 19	18.20	33	3444	684	3.30	3.82		225
AUG 21	18.25	33	3446	687	3.29	3.93		226
AUG 26	17.70	32	3442	684	3.16	3.61		216
AUG 28	17.70	32	3441	689	3.15	3.54		217
SEP 03	17.80	32	3443	687	3.17	3.59		217
SEP 05	17.90	32	3443	692	3.04	3.74		211
SEP 09	17.50	32	3442	681	3.18	3.69		217
SEP 11	17.65	32	3443	685	3.05	3.78		209
SEP 16	17.35	32	3441	670	3.14	3.65		210
SEP 18	16.80	31	3436	647	3.00	3.54		194
SEP 24	17.10	32	3436	660	3.04	3.70		201
SEP 26	17.60	32	3445	678	3.12	3.78		211
SEP 30	18.05	33	3450	712	3.28	4.64		234
OCT 02	18.20	33	3448	716	3.07	3.56		220
OCT 07	17.50	33	3441	680	3.15	3.97		214
OCT 09	16.82	33	3438	649	3.12	3.59		203
OCT 15	16.60	33	3440	656	3.07	3.44		201
OCT 17	16.67	33	3441	656	3.11	3.61		204
OCT 21	15.70	32	3429	626	2.94	3.42		184
OCT 23	15.38	31	3429	617	2.92	3.52		180
OCT 28	15.60	32	3433	600	2.83	3.31		170
OCT 30	16.27	32	3436	633	2.97	3.65		188
NOV 04	24.42	41	3471	936	3.71	4.30		347
NOV 06	26.00	44	3482	998	3.75	4.21		374
NOV 12	25.05	43	3482	992	3.55	3.95		352
NOV 14	24.60	42	3476	980	3.49	4.10		343

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## MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
NOV 18	23.40	40	3471	923	3.37	3.93		311
NOV 20	23.30	40	3471	940	3.31	3.72		312
NOV 25	28.45	44	3502	1105	3.85	4.47		425
NOV 27	28.60	47	3504	1120	3.81	4.68		427
DEC 02	29.62	49	3515	1158	3.94	4.72		456
DEC 04	32.15	52	3528	1254	3.90	4.66		489
DEC 09	38.55	58	3560	1460	4.54	5.67		663
DEC 11	41.20	59	3835	1584	4.68	6.27		741
DEC 16	46.00	63	3902	1800	5.06	6.65		911
DEC 18	46.75	63	3906	1781	5.18	7.11		923
DEC 23	46.20	67	3903	1773	5.24	6.95		929
DEC 30	43.45	61	3847	1671	4.71	6.52		787

DISCHARGE RANGE. UPSTREAM FROM LOWER OLD RIVER AT MILE 306.3.  
(STA. 0110011.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD

## MISSISSIPPI RIVER AT SMITHLAND CROSSING (LA.) (NORTH)

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 09	50.63	76	6313	2180	4.27	6.37		931
MAR 04	49.10	59	6938	2005	4.06	5.67		813
APR 03	45.68	49	6551	1632	3.87	4.66		631
MAY 08	55.19	60	6961	2136	3.80	6.61		811
JUN 19	40.10	35	5544	1039	3.97	5.11		413
JUL 31	20.76	24	1359	220	5.34	7.70		118
SEP 09	17.50	30	1670	224	3.64	4.62		81.6
OCT 23	15.39	26	1279	167	3.45	4.47		57.6
NOV 27	28.60	41	4691	568	3.90	5.11		222
DEC 09	38.45	55	5331	1172	3.41	4.14		400

DISCHARGE RANGE. 4 MILES DOWNSTREAM FROM LOWER OLD RIVER AT MILE 298.5.  
(STA. 0112112B.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD.

## MISSISSIPPI RIVER AT SMITHLAND CROSSING (LA.) (SOUTH)

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 09	50.63	67	1968	736	3.69	4.27		271
MAR 04	49.10	66	1778	725	3.86	4.64		280
APR 03	45.68	62	1762	709	3.70	4.36		262
MAY 08	55.19	67	1739	812	3.74	4.23		304
JUN 19	40.10	51	2100	532	3.83	4.16		204
JUL 31	20.76	33	1067	223	5.08	6.07		113
SEP 09	17.50	34	1690	272	5.39	6.10		147
OCT 23	15.39	28	1214	214	5.14	5.94		110
NOV 27	28.60	46	1483	452	4.77	5.50		216
DEC 09	38.45	56	2018	611	4.34	4.85		265

DISCHARGE RANGE. 4 MILES DOWNSTREAM FROM LOWER OLD RIVER AT MILE 298.5.  
(STA. 0112312B.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD.

## PROFIT ISLAND CHUTE (LA.)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 21	29.40	91	1059	572	6.14	6.54		351
APR 01	29.00	87	997	492	5.30	6.30		261
JUL 03	19.60	73	975	427	3.61	4.30		154
OCT 23	5.50	55	841	280	1.29	1.60		36.1

DISCHARGE RANGE. UPSTREAM FROM BATON ROUGE AT MILE 248.  
(STA. 0115009.)

GAGE. BATON ROUGE, LA. STAFF TYPE AT MILE 228.4. ZERO, NGVD

## MISSISSIPPI RIVER AT NEW ORLEANS (CARROLLTON), LA.

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 18	16.34	105	2592	1672	6.85	8.60		1145

MEASUREMENTS TAKEN BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. ABOUT 700 FEET UPSTREAM FROM U.S. HIGHWAY 90 (HUEY P.  
LONG) BRIDGE AT MILE 106.2. (STA. 0130007.)

GAGE. AUTOMATIC TYPE AT MILE 102.8. ZERO, NGVD

## MISSISSIPPI RIVER AT BELLE CHASSE, LA.

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 16			2500	1721	4.88			840
FEB 28			2220	1611	4.97			801
MAR 13			2410	1721	5.17			889
APR 03			2510	1762	4.35			767
MAY 07			2660	1857	5.71			1060

MEASUREMENTS MADE BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. AT FERRY CROSSING AT MILE 76.0. (STA. 0138804.)

## CUBITS GAP

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 16	2.77	27	4002	538	2.51	2.87		135
SEP 08	1.80	15	3894	381	0.29	0.38		10.9

DISCHARGE RANGE. 200 FEET ABOVE ENTRANCE TO MISSISSIPPI RIVER.  
(STA. 0150904.)

GAGE. MISSISSIPPI RIVER AT VENICE, LA. AUTOMATIC TYPE, MILE 10.7 ON  
RIGHT BANK. ZERO, NGVD

## SOUTH PASS NEAR HEAD OF PASSES (LA.)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	MAIN CHANNEL		OVERBANK		TOTAL DISCHARGE
				AREA	VELOCITIES MEAN MAXIMUM	DISCHARGE	DISCHARGE	
1991	FT	FT	FT	100 SQ FT	FPS FPS	1000 CFS	1000 CFS	
MAR 16	2.90	59	1574	445	2.82	3.80		125
SEP 08	1.70	36	1148	282	0.29	0.36		8.3

DISCHARGE RANGE. 3.8 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0155304.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## PASS A LOUTRE NEAR HEAD OF PASSES (LA.)

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 16	2.80	40	3773	585	2.42	2.91		142
SEP 08	1.71	28	3067	294	0.27	0.58		7.9

DISCHARGE RANGE. 0.9 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0155604.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## SOUTHWEST PASS OUTLET AT MILE 3.0 WEST

1991	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
MAR 16	2.75	42	100	2470	7.25	8.80		17896
SEP 08	1.71	20	100	1180	1.97	2.50		2328

DISCHARGE RANGE. THREE MILES DOWNSTREAM FROM HEAD OF SOUTHWEST PASS.  
(STA. 0156004.)GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## SOUTHWEST PASS OUTLET AT MILE 4.5 EAST (JOSEPH BAYOU)

1991	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
MAR 16	2.77	40	656	9375	2.87	4.60		26886
SEP 08	1.70	20	530	6710	0.95	2.20		6340

DISCHARGE RANGE. 4.5 MILES DOWNSTREAM FROM HEAD OF SOUTHWEST PASS.  
(STA. 0156004.)GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## SOUTHWEST PASS OUTLET AT MILE 9.8 WEST (W-2)

1991	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
MAR 16	2.80	48	656	24764	5.39	5.70		133529
SEP 08	1.70	47	150	3500	1.26	1.60		6938

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## SOUTHWEST PASS OUTLET AT MILE 9.8 WEST (W-2)

CONTINUED

T- FLOW AFFECTED BY EDDIES.

DISCHARGE RANGE. 9.8 MILES DOWNSTREAM FROM HEAD OF SOUTHWEST PASS.  
(STA. 0158004.)GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## SOUTHWEST PASS OUTLET AT MILE 14.2 EAST (BURRWOOD BAYOU)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN WIDTH	CHANNEL AREA	VELOCITIES		OVERBANK DISCHARGE	TOTAL DISCHARGE
					MEAN	MAXIMUM		
1991	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
MAR 16	2.80	61	445	10630	3.00	4.20		31837
SEP 08	1.70	72	450	17430	0.50	0.70		8756

DISCHARGE RANGE. 14.2 MILES DOWNSTREAM FROM HEAD OF SOUTHWEST PASS.  
(STA. 0164004.)GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## OLD RIVER CONTROL OUTFLOW CHANNEL NEAR KNOX LANDING, LA. (RANGE D-76)

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
FEB 14	27.10	36	1371	361	1.31	1.76		47.3
FEB 21	30.80	41	1474	418	2.40	3.37		100
FEB 28	34.20	45	1541	483	2.13	2.83		103
MAR 07	34.20	47	1575	506	2.62	4.02		132
MAR 14	35.90	46	1567	500	2.64	3.80		132
MAR 21	30.30	42	1420	422	1.78	2.54		75.3
MAR 29	29.70	42	1417	391	2.05	2.85		80.0
APR 04	32.00	42	1505	438	2.35	3.37		103
APR 11	34.50	44	1546	459	3.33	4.35		153
APR 18	35.50	47	1563	477	1.63	2.28		77.6
APR 25	37.00	48	1584	498	1.28	1.65		63.6
AUG 01	11.80	23	1191	141	2.44	3.19		34.4
SEP 20	7.20	20	1132	95.8	1.70	2.33		16.3

DISCHARGE RANGE. APPROXIMATELY 1 MILE DOWNSTREAM FROM OLD RIVER CONTROL  
STRUCTURE. (STA. 0245011.)

GAGE. AUTOMATIC TYPE AT CONTROL STRUCTURE. ZERO, NGVD

## OLD RIVER AUXILIARY CONTROL OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 12	40.90	53	1055	376	3.24	4.09		122
JAN 17	42.50	54	1064	387	2.46	3.00		95.2
JAN 22	42.70	55	1313	412	5.14	6.52		212
JAN 29	43.20	55	1078	402	2.28	2.67		90.6
FEB 04	38.15	50	1027	348	2.47	2.89		86.1
APR 18	35.60	47	1004	321	0.79	0.91		25.3
MAY 03	39.20	51	1033	360	2.59	3.02		93.4
MAY 09	38.40	50	1026	356	1.20	1.46		42.6
JUL 19	16.60	28	733	155	3.77	4.52		58.5
AUG 01	11.90	23	682	120	1.86	2.24		22.4

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## OLD RIVER AUXILIARY CONTROL OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	MAIN CHANNEL		OVERBANK DISCHARGE	TOTAL DISCHARGE
				AREA	VELOCITIES MEAN MAXIMUM		
1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS
AUG 15	9.40	20	616	105	2.29	2.78	26.1
AUG 28	10.80	21	647	106	3.63	4.61	38.5
SEP 20	7.20	12	603	60.9	1.78	2.02	10.8
OCT 18	10.30	17	629	77.7	4.70	6.32	36.5
DEC 13	30.40	37	940	243	1.94	2.39	47.0
DEC 26	31.90	38	957	255	1.15	1.43	29.2

DISCHARGE IS REGULATED BY OLD RIVER AUXILIARY CONTROL STRUCTURE.  
(STA. 0250011.)

GAGE. AUTOMATIC TYPE AT AUXILIARY CONTROL STRUCTURE. ZERO, NGVD

## OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 14	41.60	57	1898	776	4.31	5.00		334
JAN 25	44.00	58	1902	835	4.32	5.00		360
JAN 30	42.40	58	1901	820	4.14	4.60		340
FEB 07	34.05	50	1877	675	3.06	3.65		207
FEB 14	27.30	43	1856	553	2.54	3.05		140
FEB 21	30.70	46	1870	607	3.23	3.89		196
FEB 28	34.20	52	1885	699	3.16	3.83		221
MAR 07	36.70	53	1892	727	3.21	3.96		234
MAR 14	36.10	53	1889	723	3.57	4.22		258
MAR 21	31.00	46	1870	622	3.13	3.65		194
MAR 29	29.50	45	1865	583	3.54	4.20		206
APR 04	31.90	48	1876	636	3.50	3.93		223
APR 11	34.50	51	1887	670	4.19	4.61		281
APR 18	35.57	53	1945	725	2.77	3.29		201
APR 25	36.80	53	1897	726	2.59	3.09		188
MAY 03	39.20	56	1906	757	2.90	3.26		220
MAY 09	38.40	55	1907	769	1.87	2.31		144
MAY 23	35.00	51	1886	691	1.72	1.98		119
MAY 30	33.60	49	1881	670	1.92	2.44		129
JUN 06	32.40	48	1873	638	2.16	2.46		138
JUN 13	31.20	47	1864	609	2.33	2.72		142
JUN 18	27.50	42	1845	543	1.78	2.26		96.4
JUN 27	23.20	38	1824	461	1.70	1.93		78.6
JUL 03	21.10	36	1816	419	2.18	2.57		91.4
JUL 11	16.50	32	1790	334	2.68	3.24		89.7
JUL 25	15.50	29	1771	282	3.99	4.76		112
AUG 09	10.60	24	1747	212	3.20	3.65		68.1
AUG 22	9.90	21	1740	181	3.45	4.48		62.4
SEP 13	7.70	22	1736	153	2.97	3.50		45.5
SEP 27	8.00	21	1736	168	2.60	3.09		43.6
OCT 11	7.70	20	1737	149	2.85	3.33		42.6
OCT 24	7.20	20	1727	141	3.17	3.93		44.6
NOV 08	15.30	29	1793	310	1.23	1.43		38.2
NOV 21	14.30	28	1782	299	2.01	2.22		60.0
DEC 05	21.60	37	1831	438	1.93	2.09		84.6
DEC 19	31.50	47	1872	624	2.97	3.54		185

DISCHARGE RANGE. 5.5 MILES DOWNSTREAM FROM OLD RIVER CONTROL STRUCTURE.  
(STA. 0260011.)

GAGE. AUTOMATIC TYPE AT CONTROL STRUCTURE. ZERO, NGVD

## ATCHAFALAYA RIVER AT SINKSPOUT, LA.

## DISCHARGE OBSERVATIONS

MAIN CHANNEL					OVERBANK		TOTAL
DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES MEAN MAXIMUM		DISCHARGE DISCHARGE
1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS
JAN 02	27.07	54	1940	808	4.54	5.90	367
JAN 08	27.25	60	1969	914	5.40	6.59	495
JAN 10	27.25	59	1971	945	5.31	7.17	502
JAN 13	27.23	64	1989	1005	5.72	7.39	575
JAN 17	26.45	63	1993	997	5.73	7.92	571
JAN 23	27.50	63	2000	1003	5.67	7.55	569
JAN 25	27.57	64	2000	1025	5.33	7.17	547
JAN 29	27.25	66	1994	1011	5.37	7.55	543
JAN 31	26.90	65	1990	977	5.21	6.99	509
FEB 05	26.43	57	1975	912	4.88	6.72	445
FEB 07	29.84	55	1946	861	4.50	5.80	387
FEB 12	24.50	48	1925	750	3.83	4.83	287
FEB 14	23.72	47	1924	723	4.07	4.89	294
FEB 20	24.80	49	1930	733	4.30	5.20	315
FEB 26	29.26	53	1946	831	4.66	6.20	387
FEB 28	29.96	54	1951	851	4.83	6.33	411
MAR 05	31.48	54	1958	863	5.03	6.48	435
MAR 07	32.08	56	1959	867	4.96	6.29	430
MAR 12	31.90	54	1959	856	5.04	6.16	431
MAR 14	31.29	56	1958	860	4.92	6.27	424
MAR 19	28.30	53	1942	774	4.57	5.35	353
MAR 26	25.05	48	1928	718	4.30	5.17	309
MAR 28	25.10	46	1931	710	4.22	4.79	300
APR 02	27.10	50	1937	752	4.57	5.50	344
APR 04	27.56	49	1937	759	4.48	5.66	340
APR 09	28.88	53	1944	784	4.61	5.64	361
APR 11	29.50	51	1950	803	4.74	5.64	381
APR 16	31.49	53	1965	835	4.85	5.73	405
APR 18	31.48	54	1965	847	4.91	5.71	416
APR 23	32.25	55	1966	860	5.06	6.20	435
APR 25	33.10	55	1968	879	5.06	6.22	445
APR 30	34.53	57	1979	909	5.29	6.41	481
MAY 02	34.90	58	1978	912	5.32	6.63	485
MAY 07	35.20	58	1984	914	5.34	6.84	488
MAY 14	34.20	56	1975	893	5.15	6.35	460
MAY 16	33.30	55	1975	876	5.04	6.20	442
MAY 21	32.50	54	1971	855	5.05	6.33	432
MAY 23	32.08	53	1964	842	4.96	6.25	418
MAY 29	30.42	52	1954	792	4.95	5.99	392
JUN 04	29.60	51	1942	781	4.97	5.99	388
JUN 06	29.15	50	1943	758	4.72	5.92	358
JUN 11	28.50	50	1942	793	4.60	5.32	345
JUN 13	27.85	48	1936	751	4.56	5.39	342
JUN 18	24.40	45	1923	670	4.46	5.45	299
JUN 20	24.25	44	1923	665	4.31	5.37	286
JUN 25	21.05	41	1906	603	4.00	5.22	241
JUN 27	20.37	41	1905	590	4.05	4.96	239
JUL 02	18.75	39	1898	559	4.15	5.04	212
JUL 09	14.39	36	1880	501	3.53	4.44	177
JUL 11	13.70	34	1877	478	3.54	4.66	169
JUL 16	11.04	32	1868	430	3.28	4.12	141
JUL 18	11.10	32	1865	423	3.22	4.40	136
JUL 23	11.65	32	1868	438	3.40	4.64	149
JUL 25	10.55	31	1862	409	3.16	4.21	129
JUL 30	8.77	31	1853	380	2.88	4.19	110
AUG 01	7.72	29	2247	401	2.83	3.99	113
AUG 06	7.25	29	1842	370	2.76	3.67	102
AUG 08	7.15	29	1844	372	2.59	3.67	96.2
AUG 13	6.60	29	1840	362	2.74	3.54	98.9
AUG 15	5.85	28	1836	352	2.47	3.22	86.9
AUG 22	5.75	29	1834	354	2.59	3.48	91.6
AUG 27	5.80	30	1837	344	2.57	3.42	88.3
AUG 29	5.70	30	1836	342	2.41	3.29	82.3

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## ATCHAFALAYA RIVER AT SIMMESPORT, LA.

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
			FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
SEP 04	6.25	30	1843	353	2.42	3.22		85.5
SEP 10	5.70	28	1833	346	2.43	3.07		84.1
SEP 12	5.10	28	1831	341	2.03	2.62		69.2
SEP 17	4.17	27	1830	327	1.96	2.88		64.2
SEP 19	4.30	27	1832	329	2.07	2.50		68.1
SEP 23	4.50	27	1828	333	2.12	2.86		70.6
SEP 25	4.50	28	1827	335	2.13	2.88		71.2
OCT 01	5.20	28	1835	343	2.18	2.80		74.7
OCT 03	5.12	28	1832	342	2.22	2.92		76.1
OCT 08	5.00	28	1831	341	2.11	2.97		72.0
OCT 10	4.57	27	1829	335	2.16	2.86		72.3
OCT 16	4.55	28	1832	338	2.16	2.90		73.1
OCT 22	4.30	28	1827	339	1.99	2.71		67.5
OCT 26	3.70	28	1823	330	1.76	2.43		58.0
OCT 29	3.90	28	1823	330	1.59	2.49		52.6
OCT 31	5.50	29	1836	355	2.16	2.94		76.8
NOV 05	12.52	35	1879	478	3.61	4.53		175
NOV 07	13.65	36	1882	495	3.66	4.57		181
NOV 13	12.15	35	1872	484	3.33	4.32		161
NOV 19	11.15	34	1870	470	3.07	4.10		144
NOV 21	11.82	35	1876	478	3.33	4.38		159
NOV 26	15.12	39	1891	531	3.70	4.62		196
DEC 03	17.32	43	1894	593	3.98	4.96		234
DEC 05	18.70	43	1897	608	4.00	5.15		243
DEC 12	26.22	51	1935	751	4.67	5.82		351
DEC 17	28.35	53	1950	802	4.71	6.13		378
DEC 19	28.10	51	1952	788	4.62	6.00		364
DEC 24	27.90	51	1940	790	4.52	5.78		357
DEC 31	25.42	50	1933	736	4.40	5.67		324

DISCHARGE RANGE. DOWNSTREAM FROM KANSAS CITY SOUTHERN RAILROAD BRIDGE AT  
MILE 8.2. (STA. 0304512.)

GAGE. AUTOMATIC TYPE ON BRIDGE (MILE 4.9). ZERO, NGVD

## BAYOU CHEME BELOW BAYOU CROOK CHEME (LA.)

1991	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 02	11.70	12	183	1505	1.85	2.40		2785
JAN 16	15.70	17	273	2433	2.25	2.80		5477
JAN 30	16.10	17	276	2694	2.24	3.10		6037
FEB 21	11.90	12	179	1397	1.57	2.40		2189
MAR 07	14.15	16	217	1916	1.88	2.50		3608
MAR 19	13.20	14	177	1566	1.55	2.40		2425
APR 02	12.15	13	179	1424	1.34	2.00		1909
APR 16	14.00	15	214	1771	2.28	3.00		4044
APR 30	15.25	16	229	1988	2.58	3.20		5139
MAY 14	15.35	16	224	2104	2.50	2.90		5270
MAY 28	14.27	15	215	1891	1.94	2.50		3668
JUN 11	13.40	15	185	1545	1.85	2.40		2900
JUN 25	10.55	11	169	1166	1.47	2.00		1716
JUL 09	7.80	8	152	764	0.77	1.10		587
JUL 23	5.80	6	119	447	0.67	1.00		300
AUG 21	3.50	11	175	1655	0.54	0.70		892
SEP 05	3.70	12	172	1682	0.69	0.90		1161
SEP 17	2.82	12	175	1760	0.43	0.70		750
OCT 01	3.10	12	181	1847	0.35	0.70		649
OCT 16	2.67	11	174	1657	0.41	0.80		677
OCT 29	3.44	12	184	1871	0.49	0.70		912
NOV 13	5.79	14	189	2265	0.76	1.00		1718
NOV 25	7.08	15	204	2495	0.89	1.30		2215
DEC 11	11.21	18	224	3065	1.19	2.00		3642
DEC 23	13.30	21	231	3562	1.56	2.70		5541

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## BAYOU CHEME BELOW BAYOU CROOK CHEME (LA.)

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DIRECTION OF FLOW, NORTH.

PRIOR TO APR. 13, 1973, DISCHARGE RANGE WAS LOCATED 1000 FEET DOWNSTREAM FROM JUNCTION WITH BAYOU CROOK CHEME.

DISCHARGE RANGE, 600 FEET DOWNSTREAM FROM JUNCTION WITH BAYOU CROOK CHEME. (STA. 0340512.)

GAGE, BIG BAYOU CHEME ABOVE LAKE CHICOT. STAFF TYPE AT MILE 77.9. ZERO, NGVD

## GRAND LAKE AT MILLER POINT (LA.)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
				100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1991	FT	FT	FT					
JAN 10	10.22	78	3441	976	3.23	4.20		315
FEB 28	9.12	80	3526	942	2.73	4.40		257
MAR 27	8.10	80	3494	885	2.36	3.10		209
APR 25	10.14	82	3493	941	2.49	3.50		235
MAY 29	9.85	70	3493	910	2.88	4.10		262
JUN 26	6.94	69	3362	818	2.29	3.50		187
AUG 28	2.34	70	3232	657	1.28	1.90		84.0
OCT 02	4.26	70	3275	668	0.82	1.90		54.7
NOV 21	3.68	71	3275	703	1.58	2.60		111

DISCHARGE RANGE, ABOUT 4.5 MILES DOWNSTREAM FROM CHICOT PASS AT MILE 10 (STA. 0358710.)

GAGE, CHICOT PASS NEAR MYETTE POINT. AUTOMATIC TYPE AT MILE 95.4. ZERO, NGVD

## CYPRESS PASS AT CYPRESS ISLAND (LA.)

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
				100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1991	FT	FT	FT					
JAN 10	10.24	71	1115	499	4.96	6.40		248
FEB 28	9.12	65	1012	468	4.28	5.00		200
MAR 27	8.10	64	1012	451	3.22	3.60		146
APR 25	10.14	67	1026	474	4.34	5.30		206
MAY 29	9.85	67	1026	463	3.61	5.50		167
JUN 26	6.93	61	1017	438	3.75	5.60		164
AUG 28	2.30	58	1011	404	1.55	2.20		62.6
OCT 02	2.73	58	997	405	1.26	1.90		51.2

DIRECTION OF FLOW, SOUTH.

DISCHARGE RANGE, AT POWER LINE CROSSING. (STA. 0366010.)

GAGE, SIX MILE LAKE AT VERDUNVILLE. AUTOMATIC TYPE OPPOSITE MILE 105.2 ZERO, NGVD

## WAX LAKE OUTLET AT CALUMET, LA.

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
				100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1991	FT	FT	FT					
JAN 22	5.44		788	357	4.48			160
FEB 13	3.62		752	328	2.97			97.3

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## MAK LAKE OUTLET AT CALUMET, LA.

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## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		OVERBANK		TOTAL DISCHARGE
			WIDTH	AREA	VELOCITIES MEAN	MAXIMUM	
1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS
MAR 19	4.39		758	351	3.36		118
APR 16	4.90		758	368	3.59		132
MAY 21	5.45		778	356	3.90		139
JUN 13	4.85		758	355	3.38		120
JUL 31	1.28		752	330	0.88		29.1
AUG 21	1.71		752	339	0.74		25.0
SEP 17	1.60		750	336	0.75		25.1
OCT 24	2.00		753	333	0.79		26.3

MEASUREMENTS TAKEN BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. MILE 111.67, 1350 FT. DOWNSTREAM FROM U.S. HIGHWAY 90  
BRIDGE. (STA. 0372010.)GAGE. AUTOMATIC TYPE, DOWNSTREAM END OF EAST CALUMET FLOODGATE.  
ZERO, -0.14 FOOT, NGVD

## LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 22	6.52		1820	722	5.04			364
FEB 14	5.07		1820	677	3.26			221
MAR 20	5.66		1820	664	3.57			237
APR 17	5.96		1820	654	3.73			244
MAY 22	6.58		1820	688	4.27			294
JUN 12	6.18		1820	668	3.65			244
AUG 01	2.06		1820	631	1.10			69.3
AUG 22	1.79		1820	631	1.20			76.0
SEP 18	2.25		1820	626	0.98			61.7
OCT 23	1.56		1820	558	0.96			53.6

MEASUREMENTS TAKEN BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. MILE 117.4, 1300 FEET UPSTREAM FROM U.S. HIGHWAY 90  
BRIDGE. (STA. 0378010.)

GAGE. AUTOMATIC TYPE, 400 FEET DOWNSTREAM FROM BRIDGE. ZERO, NGVD

## RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL (LA.)

1991	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 18	39.40	103	1265	693	2.78	4.45		193
JAN 30	39.20	101	1262	678	3.00	4.74		203
FEB 07	32.25	94	1215	592	3.59	5.13		212
FEB 26	31.70	96	1214	565	3.50	5.37		198
MAR 12	34.30	96	1253	604	3.13	4.43		189
MAR 25	26.90	51	847	334	3.45	4.20		115
APR 10	31.50	54	889	364	2.80	3.48		102
APR 24	35.10	60	908	401	6.24	7.95		250
MAY 21	34.70	60	910	391	7.71	9.30		302
JUN 04	31.70	58	880	356	6.61	7.71		235
JUN 19	26.20	52	836	319	5.69	7.02		181
JUL 08	17.50	42	784	246	3.94	4.50		96.7
JUL 25	11.80	34	749	186	0.90	1.19		16.7
AUG 22	7.00	29	723	147	1.35	1.81		19.8
SEP 13	6.10	28	713	145	1.68	2.07		24.4
OCT 11	5.60	27	716	142	1.48	1.83		21.1
NOV 08	14.60	42	795	238	5.63	6.93		134
DEC 05	20.60	47	825	296	5.31	6.54		157

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## RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL (LA.)

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DISCHARGE RANGE. 2.5 MILES UPSTREAM FROM OUTFLOW CHANNEL. (STA. 0480011.)

GAGE. ATCHAFALAYA RIVER AT BARRE LANDING. STAFF TYPE, OPPOSITE MOUTH OF RED RIVER AT HEAD OF ATCHAFALAYA RIVER. ZERO, NGVD

## LAKE LONG BELOW BAYOU LA ROMPE (LA.)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		VELOCITIES		OVERBANK DISCHARGE	TOTAL DISCHARGE
			WIDTH	AREA	MEAN	MAXIMUM		
1991	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 02	13.53	38	411	8213	2.52	3.10		20656
JAN 16	18.27	42	503	10477	3.09	4.00		32389
JAN 30	18.73	44	507	10812	3.00	3.80		32471
FEB 21	13.80	40	416	8514	2.18	2.80		18950
MAR 07	16.37	40	469	9574	2.73	3.40		26097
MAR 19	15.13	40	426	8940	2.35	3.20		20748
APR 02	13.95	40	415	8418	2.22	2.80		18704
APR 16	15.98	42	434	9087	2.89	3.60		26223
APR 30	17.52	43	486	9947	2.89	3.80		28777
MAY 14	17.70	42	485	9772	2.77	3.80		27071
MAY 28	16.39	41	431	9020	2.73	3.80		24664
JUN 11	15.35	40	425	8538	2.52	3.20		21502
JUN 25	12.08	37	402	7457	2.15	2.80		16022
JUL 09	9.05	35	384	6299	1.26	1.70		7960
JUL 23	6.73	31	378	5359	0.93	1.30		5007
AUG 08	4.51	29	369	4654	0.69	1.10		3192
AUG 21	3.83	28	367	4400	0.63	1.10		2783
SEP 05	4.28	29	369	4571	0.69	0.90		3169
SEP 17	3.46	30	364	4541	0.56	1.00		2564
OCT 01	3.67	30	368	4702	0.60	0.90		2801
OCT 16	3.17	29	365	4355	0.60	1.00		2615
OCT 29	3.96	30	371	4484	0.53	0.80		2475
NOV 13	6.61	32	377	5488	1.06	1.60		5826
NOV 25	7.93	34	384	6027	1.51	2.00		9081
DEC 11	12.47	38	405	7753	2.53	3.00		19626
DEC 23	14.74	40	419	8782	2.56	3.30		22456

DISCHARGE RANGE. 1000 FEET DOWNSTREAM FROM JUNCTION WITH BAYOU LA ROMPE (STA. 4930012.)

GAGE. AUTOMATIC TYPE AT BAYOU LA ROMPE AT LAKE LONG (LA.) ZERO, NGVD

## LITTLE TENSAS BAYOU BELOW BLIND TENSAS CUT (LA.)

1991	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 02	12.85	27	199	3297	2.44	3.20		8062
JAN 16	17.52	32	237	4337	3.21	4.20		13926
JAN 30	17.75	34	240	4489	3.31	4.50		15531
FEB 21	13.25	30	192	3463	1.87	3.00		6475
MAR 07	15.30	30	219	3890	2.83	3.70		10998
MAR 19	14.25	31	196	3606	2.15	2.80		7745
APR 02	13.30	31	196	3505	2.12	3.00		7423
APR 16	15.30	30	210	3785	2.92	4.40		11055
APR 30	16.75	31	231	4188	3.13	4.40		13131
MAY 14	16.95	32	225	4250	2.99	4.00		12696
MAY 28	15.60	31	206	3971	2.80	3.80		11105
JUN 11	14.55	30	198	3752	2.56	3.60		9599
JUN 25	11.30	26	190	3061	2.20	3.20		6735
JUL 09	8.30	24	169	2439	1.24	1.80		3017
JUL 23	6.09	21	167	1984	1.04	1.70		2054
AUG 08	4.02	19	153	1672	0.76	1.30		1269

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## LITTLE TENNESSEE BAYOU BELOW BLIND TENNESSEE CUT (LA.)

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES		DISCHARGE	TOTAL DISCHARGE
					MEAN	MAXIMUM		
1991	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
AUG 21	3.30	19	142	1624	0.70	1.10		1140
SEP 05	3.45	19	145	1635	0.72	1.10		1175
SEP 17	3.67	19	146	1735	0.51	0.80		884
OCT 01	3.18	20	144	1765	0.66	1.00		1166
OCT 16	2.57	19	139	1647	0.57	1.00		940
OCT 29	3.41	20	147	1770	0.52	0.80		925
NOV 13	6.02	23	162	2098	0.88	1.20		1854
NOV 25	7.38	24	175	2378	1.47	2.10		3491
DEC 11	11.74	28	194	3186	2.66	3.30		8471
DEC 23	13.85	31	207	3693	2.49	3.50		9187

DIRECTION OF FLOW, NORTH.

DISCHARGE RANGE. 1500 FEET DOWNSTREAM FROM JUNCTION WITH BLIND TENNESSEE CUT.  
(STA. 4945012.)GAGE. AUTOMATIC TYPE AT BLIND TENNESSEE CUT BELOW UPPER GRAND RIVER (LA.)  
ZERO, NGVD

## ATCHAFALAYA BASIN EAST ACCESS CHANNEL ABOVE LAKE CHICOT (LA.)

1991	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 02	11.70	25	225	3874	2.93	3.70		11337
JAN 16	15.70	29	253	4913	3.76	4.60		18495
JAN 30	16.10	30	257	5173	3.97	5.00		20549
FEB 21	11.90	26	224	4076	2.33	2.90		9493
MAR 07	14.15	28	235	4455	3.50	4.00		15599
MAR 19	13.20	26	225	4197	2.92	3.80		12276
APR 02	12.15	27	222	3977	2.68	3.50		10649
APR 16	14.00	27	231	4414	3.62	4.90		15994
APR 30	15.25	27	234	4623	3.94	4.80		18196
MAY 14	15.35	28	249	4635	3.89	4.70		18019
MAY 28	14.27	27	228	4318	3.47	4.50		14980
JUN 11	13.40	26	220	4022	3.35	3.90		13465
JUN 25	10.55	24	216	3569	2.80	3.40		9993
JUL 09	7.80	22	199	2942	1.42	2.30		4184
JUL 23	5.80	19	193	2613	1.41	2.00		3643
AUG 08	3.50	18	185	2298	1.12	1.60		2582
AUG 21	3.50	17	185	2174	1.03	1.70		2239
SEP 05	3.70	18	185	2276	1.05	1.40		2381
SEP 17	2.82	18	181	2324	0.82	1.20		1906
OCT 01	3.10	18	183	2369	0.91	1.20		2147
OCT 16	2.67	18	180	2263	0.76	1.20		1727
OCT 29	3.44	18	184	2463	0.71	1.10		1747
NOV 13	5.79	20	187	2781	1.01	1.40		2798
NOV 25	7.08	22	201	3101	1.85	2.50		5732
DEC 11	11.21	26	219	3837	3.10	3.90		11881
DEC 23	13.30	28	222	4247	3.37	4.20		14313

DIRECTION OF FLOW, EAST.

DISCHARGE RANGE. 1700 FEET ABOVE LAKE CHICOT. (STA. 4959009.)

GAGE. STAFF TYPE, RANGE 15. ZERO, NGVD

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